

David H. Gotz, PhD

McCull Term Professor, Information Science
Professor (Adjunct), Computer Science
Director, Certificate in Applied Data Science Program
Associate Member, Lineberger Comprehensive Cancer Center
University of North Carolina at Chapel Hill
School of Information and Library Science
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CURRENT APPOINTMENTS

School of Information and Library Science at the University of North Carolina at Chapel Hill
Professor, Information Science
2022 – Present

Department of Computer Science at the University of North Carolina at Chapel Hill
Professor (Adjunct), Computer Science
2022 – Present

School of Information and Library Science at the University of North Carolina at Chapel Hill
Frances Carroll McColl Term Professor, Information Science
2021 – Present

University of North Carolina Lineberger Comprehensive Cancer Center
Associate Member
2014 – Present

EDUCATION

University of North Carolina at Chapel Hill
Ph.D. in Computer Science, 2005
Dissertation Title: Scalable and Adaptive Streaming for Non-Linear Media
M.S. in Computer Science, 2001

Georgia Institute of Technology
B.S. in Computer Science, 1999, with Highest Honors
Certificate in Economics, 1999

PROFESSIONAL EXPERIENCE PRIOR TO CURRENT APPOINTMENT

Department of Computer Science at the University of North Carolina at Chapel Hill
Associate Professor (Adjunct), Computer Science
2019 – 2021

School of Information and Library Science at the University of North Carolina at Chapel Hill
Associate Professor, Information Science
2014 – 2021

Carolina Health Informatics Program at the University of North Carolina at Chapel Hill
Assistant Director
2014 – 2021

T. J. Watson Research Center at IBM Research
Research Scientist
2006 - 2013

T. J. Watson Research Center at IBM Research
Post-Doctoral Research Scientist
2005 – 2006

UNC-Chapel Hill Computer Science Department, Multimedia Research Group
Research Assistant
2001 – 2005

Bell Labs, Multimedia Communications Research Lab
Research Intern
Summer 2001

UNC-Chapel Hill Computer Science Department, Office of the Future Group
Research Assistant
1999 – 2001

Naval Research Labs, Virtual Reality Lab
Research Intern
Summer 1999

Bell Labs, Multimedia Communications Research Lab
Research Intern
Summer 1998

Georgia Institute of Technology, Virtual Environments Group
Undergraduate Research Assistant
1997 – 1999

Bell Communications Research
Intern
Summers 1995, 1996, 1997

HONORS

- 2023 AI 2000 Most Influential Scholar Honorable Mention Award in Visualization
- 2022 AI 2000 Most Influential Scholar Honorable Mention Award in Visualization
- 2021 Named Frances Carroll McColl Term Professor for 2021-2023
- 2020 Named Senior Member of the ACM
- 2019 Named Associate Editor for IEEE TVCG
- 2019 RTI University Scholar
- 2019 IEEE VIS Best Paper Award
- 2018 ACM CHI Honorable Mention Award
- 2017 ACM Computing Reviews “Best of Computing” honoree

- 2016 ACM IUI paper was recognized with the ACM IUI Best Paper Award
- 2015 Named a Data Fellow by National Consortium for Data Science
- 2013 IBM Research Accomplishment Award received for the scientific and commercial impact of medical informatics research (*for new research not previously recognized in 2012*)
- 2012 IBM Research Accomplishment Award received for the scientific and commercial impact of medical informatics research
- 2010 AMIA paper selected as a Distinguished Paper Award nominee
- 2008 IEEE VAST paper awarded as a top paper via selection for journal publication
- 2006 ACM Multimedia paper awarded as a top paper via selection for journal publication

BIBLIOGRAPHY

PEER REVIEWED JOURNAL & HIGHLY SELECTIVE CONFERENCE¹ ARTICLES

1. Shayan Monadjemi, Mengtian Guo, **David Gotz**, Roman Garnett, Alvitta Ottley. Human-Computer Collaboration for Visual Analytics: an Agent-based Framework. *Computer Graphics Forum (To Appear, 2023)*.
2. Mengtian Guo, Zhilan Zhou, **David Gotz**, Yue Wang. GRAFS: Graphical Faceted Search System to Support Conceptual Understanding in Exploratory Search. *ACM Transactions on Interactive Intelligent Systems (Online Ahead of Print, 2023)*.
3. Hung-Jui Tan, Arlene E. Chung, **David Gotz**, Allison E. Deal, Hillary M. Heiling, Randall Teal, Maihan Vu, William D. Meeks, Raymond Fang, Antonia V. Bennett, Matthew E. Nielsen, Ethan M. Basch. Electronic Health Record Use and Perceptions Among Urologic Surgeons. *Applied Clinical Informatics (To Appear, 2023)*.
4. Zhilan Zhou, Wenyuan Wang, Mengtian Guo, Yue Wang, **David Gotz**. A Design Space for Surfacing Content Recommendations in Visual Analytic Platforms. *IEEE Transactions on Visualization and Computer Graphics (Volume 29, Number 1, 2023)*.
5. Smiti Kaul, David Borland, Nan Cao, **David Gotz**. Improving Visualization Interpretation Using Counterfactuals. *IEEE Transactions on Visualization and Computer Graphics (Volume 28, Number 1, 2022)*.
6. Yu Guo, Shunan Guo, Zhuochen Jin, Smiti Kaul, **David Gotz**, Nan Cao. A Survey on Visual Analysis of Event Sequence Data. *IEEE Transactions on Visualization and Computer Graphics (Early Access, 2021)*.
7. Shunan Guo, Zhuochen Jin, Qing Chen, **David Gotz**, Hongyuan Zha, Nan Cao. Interpretable Anomaly Detection in Event Sequences via Sequence Matching and Visual Comparison. *IEEE Transactions on Visualization and Computer Graphics (Early Access, 2021)*.

¹ In the Computer Science literature, conference proceedings are highly selective, and typically as prestigious (if not more prestigious) than journals. As a result, highly-selective conferences are generally considered the most respected types of publication within this community.

8. Danqing Shi, Fuling Sun, Xinyue Xu, Xingyu Lan, **David Gotz**, Nan Cao. AutoClips: An Automatic Approach to Video Generation from Data Facts. *Computer Graphics Form (Volume 40, Number 3, 2021)*.
9. Zhilan Zhou, Ximing Wen, Yue Wang, **David Gotz**. Modeling and Leveraging Analytic Focus During Exploratory Visual Analysis. *ACM CHI Conference on Human Factors in Computing Systems (2021)*.
10. David Borland, Jonathan Zhang, Smiti Kaul, **David Gotz**. Selection-Bias-Corrected Visualization via Dynamic Reweighting. *IEEE Transactions on Visualization and Computer Graphics (Volume 27, Issue 2, 2021)*.
11. Zhuochen Jin, Shunan Guo, Nan Chen, Daniel Weiskopf, **David Gotz**, Nan Cao. Visual Causality Analysis of Event Sequence Data. *IEEE Transactions on Visualization and Computer Graphics (Volume 27, Issue 2, 2021)*.
12. Smiti Kaul, Cameron Coleman, **David Gotz**. A Rapidly Deployed Interactive Online Visualization System to Support Fatality Management During the COVID-19 Pandemic. *Journal of the American Medical Informatics Association (JAMIA) (Online ahead of print, 2020)*.
13. Cameron Coleman, **David Gotz**, Samantha Eaker, Elaine James, Thomas Bice, Shannon Carson, Saif Khairat (2020). Analysing EHR Navigation Patterns and Digital Workflows Among Physicians During ICU Pre-Rounds. *Health Information Management Journal (Online ahead of print, 2020)*.
14. Zhuochen Jin, Shuyuan Cui, Shunan Guo, **David Gotz**, Jimeng Sun, Nan Cao. CarePre: An Intelligent Clinical Decision Assistance System. *ACM Transactions on Computing for Healthcare (Volume 1, Issue 1, 2020)*.
15. **David Gotz**, Jonathan Zhang, Wenyuan Wang, Joshua Shrestha, David Borland. Visual Analysis of High-Dimensional Event Sequence Data via Dynamic Hierarchical Aggregation. *IEEE Transactions on Visualization and Computer Graphics (Volume 26, Number 1, 2020)*.
16. David Borland, Wenyuan Wang, Jonathan Zhang, Joshua Shrestha, **David Gotz**. Selection Bias Tracking and Detailed Subset Comparison for High-Dimensional Data. *IEEE Transactions on Visualization and Computer Graphics (Volume 26, Number 1, 2020)*.
17. Shunan Guo, Zhuochen Jin, Qing Chen, **David Gotz**, Hongyuan Zha, Nan Cao. Visual Anomaly Detection in Event Sequence Data. *IEEE Big Data (2020)*.
18. Bryce Morrow, Trevor Manz, Arlene E. Chung, Nils Gehlenborg, **David Gotz**. Periphery Plots for Contextualizing Heterogeneous Time-Based Charts. *IEEE VIS (2019)*.
19. Danny T.Y. Wu PhD, Annie T. Chen, John D. Manning, Gal Levy-Fix, Uba Backonja, David Borland, Jesus J. Caban, Dawn W. Dowding, Harry Hochheiser, Vadim Kagan, Swaminathan Kandaswamy, Manish Kumar, Alexis Nunez, Eric Pan, **David Gotz**. Evaluating Visual Analytics for Health Informatics Applications: A Systematic Review from the AMIA VIS Working Group Task Force on Evaluation. *Journal of the American Medical Informatics Association (JAMIA) (Volume 26, Number 4, 2019)*.
20. **David Gotz**, Wenyuan Wang, Annie T. Chen, David Borland. Visualization Model Validation via Inline Replication. *Information Visualization (Sage OnlineFirst, Published January 25, 2019)*.

21. Shunan Guo, Zhuochen Jin, **David Gotz**, Fan Du, Hongyuan Zha, Nan Cao. Visual Progression Analysis of Event Sequence Data. *IEEE Transactions on Visualization and Computer Graphics (IEEE Early Access; to appear Volume 25, Number 1, 2019)*.
22. David Borland, Wenyuan Wang, **David Gotz**. Contextual Visualization: Making the Unseen Visible to Combat Bias During Visual Analysis. *IEEE Computer Graphics and Applications (CG&A) (Volume 38, Number 6, 2018)*.
23. Sigfried Gold, Andrea Batch, Robert McClure, Guoqian Jiang, Hadi Kharrazi, Rishi Saripalle, Vojtech Huser, Chunhua Weng, Nancy Roderer, Ana Szarfman, Niklas Elmqvist, **David Gotz**. Clinical Concept Value Sets and Interoperability in Health Data Analytics. *Proceedings of the AMIA Annual Symposium (San Francisco, November 2018)*.
24. Arlene E. Chung, Ashley C. Griffin, Dasha Selezneva, **David Gotz**. Health and Fitness Apps for Hands-Free Voice-Activated Assistants: Content Analysis. *JMIR mHealth and uHealth (Volume 6, Number 9, 2018)*.
25. Han Yu, Brian Chapman, Arianna Di Florio, Ellen Eischen, **David Gotz**, Mathews Jacob, Rachael Hageman Blair. Bootstrapping estimates of stability for clusters, observations and model selection. *Computational Statistics (Online First, August 30, 2018)*.
26. Saif Khairat, George Cameron Coleman, Samantha Russomagno, **David Gotz**. Assessing the Status Quo of EHR Accessibility, Usability, and Knowledge Dissemination. *eGEMs (Volume 6, Issue 1, 2018)*.
27. Ke Xu, Shunan Guo, Nan Cao, **David Gotz**, Aiwen Xu, Huamin Qu, Zhenjie Yao, Yixin Chen. ECGLens: Interactive Visual Exploration of Large Scale ECG Data for Arrhythmia Detection. *Proceedings of ACM CHI (2018)*.
28. Shunan Guo, Ke Xu, Rongwen Zhao, **David Gotz**, Hongyuan Zha, and Nan Cao. EventThread: Visual Summarization and Stage Analysis of Event Sequence Data. *IEEE Transactions on Visualization and Computer Graphics (Volume 24, Number 1, 2018)*.
29. Manish Kumar, **David Gotz**, Tara Nutley, and Jason B. Smith. Research Gaps in Routine Health Information System Design Barriers to Data Quality and Use in Low- and Middle-Income Countries: A Literature Review. *International Journal of Health Planning and Management (Published online on August 2, 2017. To appear in print.)*.
30. **David Gotz**, Shun Sun, Nan Cao, Rita Kundu, Anne-Marie Meyer. Adaptive Contextualization Methods for Combating Selection Bias During High-Dimensional Visualization. *ACM Transactions on Interactive Intelligent Systems (Volume 7, Issue 4, 2017)*.
31. Chanin T. Woods, Lela Lackey, Benfeard Williams, Nikolay V. Dokholyan, **David Gotz**, and Alain Laedearch. Comparative visualization of the RNA suboptimal conformational ensemble in vivo. *Biophysical Journal (Published online on June 15, 2017. To appear in print.)*.
32. Hanfei Lin, Siyuan Gao, **David Gotz**, Fan Du, Jingrui He, and Nan Cao. RCLens: Interactive Rare Category Exploration and Identification. *IEEE Transactions on Visualization and Computer Graphics (Published online on June 6, 2017. To appear in print.)*.
33. Nan Cao Yu-Ru Lin, **David Gotz**, Fan Du. Z-Glyph: Visualizing Outliers in Multivariate Data. *Information Visualization (Published "Online First" February 14, 2017)*.
34. Yingcai Wu, Nan Cao. **David Gotz**, Yap-Peng Tan, Daniel Keim. A Survey on Visual Analytics of Social Media Data. *IEEE Transactions on Multimedia (Volume 18, Issue 11, 2016)*.

35. Nan Cao, Yingcai Wu, **David Gotz**, Daniel Keim, Yap-Peng Tan. Guest Editorial: Visual Analytics in Multimedia—Opportunities and Research Challenges. *IEEE Transactions on Multimedia (Volume 18, Issue 11, 2016)*.
36. **David Gotz** and David Borland. Data-Driven Healthcare: Challenges and Opportunities for Interactive Visualization. *IEEE Computer Graphics and Applications (Volume 36, Issue 2, pp. 90 – 96, 2016)*.
37. **David Gotz**, Shun Sun, and Nan Cao. Adaptive Contextualization: Combating Bias During High-Dimensional Visualization and Data Selection. *Proceedings of the ACM International Conference on Intelligent User Interfaces (pp. 85 – 95, 2016)*, Sonoma, California.
38. Nan Cao, Yu-Ru Lin, and **David Gotz**. UnTangle Map: Visual Analysis of Probabilistic Multi-Label Data. *IEEE Transactions on Visualization and Computer Graphics (Volume 22, Issue 2, pp. 1149 – 1163, 2016)*.
39. Zhiyuan Zhang, **David Gotz**, and Adam Perer. Iterative Cohort Analysis and Exploration. *Information Visualization (Volume 14, Number 4, pp. 289 – 307, 2015)*.
40. Jesus Caban and **David Gotz**. Visual Analytics in Healthcare – Opportunities and Research Challenges. *Journal of the American Medical Informatics Association (JAMIA) (Volume 22, Issue 2, pp. 260 – 262, 2015)*.
41. **David Gotz** and Harry Stavropoulos. DecisionFlow: Visual Analytics for High-Dimensional Temporal Event Sequence Data. *IEEE Transactions on Visualization and Computer Graphics (Volume 20, Issue 12, pp. 1783 – 1792, 2014)*.
42. Charles D. Stolper, Adam Perer, and **David Gotz**. Progressive Visual Analytics. *IEEE Transactions on Visualization and Computer Graphics (Volume 20, Issue 12, pp. 1653 – 1662, 2014)*.
43. Yu-Ru Lin, Nan Cao, **David Gotz** and Lu Lu. UnTangle: Visual Mining for Data with Uncertain Multi-Labels Via Triangle Map. *Proceedings of the IEEE International Conference on Data Mining (pp. 340 – 349, 2014)*. Shenzhen, China.
44. **David Gotz**, Fei Wang, and Adam Perer. A Methodology for Interactive Mining and Visual Analysis of Clinical Event Patterns Using Electronic Health Record Data. *The Journal of Biomedical Informatics (Volume 48, pp. 148 – 159, 2014)*.
45. **David Gotz** and Krist Wongsuphasawat. Interactive Intervention Analysis. *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium (pp. 274 – 280, 2012)*, Chicago, Illinois.
46. **David Gotz**, Harry Stavropoulos Jimeng Sun, and Fei Wang. ICDA: A Platform for Intelligent Care Delivery Analytics. *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium (pp. 264 – 273, 2012)*, Chicago, Illinois.
47. Krist Wongsuphasawat and **David Gotz**. Exploring Flow, Factors, and Outcomes of Temporal Event Sequences with the Outflow Visualization. *IEEE Transactions on Visualization and Computer Graphics (Volume 57, Number 5, pp. 2659 – 2668, 2012)*.
48. **David Gotz**, Jimeng Sun, Nan Cao. Multifaceted Visual Analytics for Healthcare Applications. *IBM Journal of Research and Development (Volume 56, Number 5, pp. 492 – 503, 2012)*.

49. Nan Cao, **David Gotz**, Jimeng Sun, Yu-Ru Lin, and Huamin Qu. SolarMap: Multifaceted Visual Analytics for Topic Exploration. *Proceedings of the IEEE International Conference on Data Mining (pp. 101 – 110, 2011)*, Vancouver, Canada.
50. **David Gotz**, Jimeng Sun, Nan Cao, and Shahram Ebadollahi. Visual Cluster Analysis in Support of Clinical Decision Intelligence. *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium (pp. 481 – 490, 2011)*, Washington, DC.
51. Joseph Bigus, Murray Campbell, Boaz Carmeli, Melissa Cefkin, Henry Chang, Ching-Hua Chen-Ritzo, William Cody, Shahram Ebadollahi, Alexandre Evmievski, Ariel Farkash, Susanne Glissmann, **David Gotz**, Tyrone Grandison, Daniel Gruhl, Peter Haas, Mark Hsiao, Pei-Yun Hseuh, Jianying Hu, Joseph Jasinski, James Kaufman, Cherly Kieliszewski, Martin Kohn, Sarah Knoop, Paul Maglio, Ronald Mak, Haim Nelken, Chalapathy Neti, Hani Neuvirth, Yue Pan, Yardena Peres, Sreeram Ramakrishnan, Michal Rosen-Zvi, Sondra Renly, Pat Sellinger, Amnon Shab, Robert Sorrentino, Jimeng Sun, Tanveer Syeda-Mahmood, Wang-Chiew Tan, Ying Tao, Reza Yaesoubi, and Xinxin Zhu. Information Technology for Healthcare Transformation. *IBM Journal of Research and Development (Volume 55, Number 5, pp. 492 – 505, 2011)*.
52. Nan Cao, **David Gotz**, Jimeng Sun and Huamin Qu. DICON: Interactive Visual Analysis of Multidimensional Clusters. *IEEE Transactions on Visualization and Computer Graphics (Volume 17, Number 12, pp. 2581 – 2590, 2011)*.
53. Shahram Ebadollahi, Jimeng Sun, **David Gotz**, Jianying Hu, Daby Sow, and Chalapathy Neti. Predicting Patient’s Trajectory of Physiological Data using Temporal Trends in Similar Patients: A System for Near-Term Prognostics. *Proceedings of the American Medical Informatics Association (AMIA) Annual Symposium (pp. 192-196, 2010)*, Washington, DC.
54. Nan Cao, Jimeng Sun, Yu-Ru Lin, **David Gotz**, Shixia Liu and Huamin Qu. FacetAtlas: Multifaceted Visualization for Rich Text Corpora. *IEEE Transactions on Visualization and Computer Graphics (Volume 16, Number 6, pp. 1172 – 1181, 2010)*.
55. Jimeng Sun, **David Gotz** and Nan Cao. DiseaseAtlas: Multi-facet Visual Analytics for Online Disease Articles. *Proceedings of IEEE Engineering in Medicine and Biology Society (pp. 1123 – 1126, 2010)*, Buenos Aires, Argentina.
56. **David Gotz** and Michelle X. Zhou. Characterizing User’s Visual Analytic Activity for Insight Provenance. *Information Visualization (Volume 8, Number 1, pp. 42 – 55, 2009)*.
57. Yedendra Shrinivasan and **David Gotz**. Connecting the Dots in Visual Analysis. *Proceedings of IEEE Visual Analytics Science and Technology (pp. 123 – 130, 2009)*, Atlantic City, New Jersey.
58. **David Gotz** and Zhen Wen. Behavior-Driven Visualization Recommendation. *Proceedings of ACM Intelligent User Interfaces (pp. 315 – 324, 2009)*, Sanibel, Florida.
59. Wen-Huang Cheng and **David Gotz**. Context-Based Page Unit Recommendation for Web-Based Sensemaking Tasks. *Proceedings of ACM Intelligent User Interfaces (pp. 107 – 116, 2009)*, Sanibel, Florida.
60. **David Gotz** and Michelle X. Zhou. Characterizing Users’ Visual Analytic Activity for Insight Provenance. *Proceedings of IEEE Visual Analytics Science and Technology (pp 123 – 130, 2008)*, Columbus, Ohio.
61. Ketan Mayer-Patel and **David Gotz**. Scalable and Adaptive Streaming for Non-Linear Media. *IEEE MultiMedia (Volume 14, Number 3, pp. 68 – 83, 2007)*.

62. **David Gotz.** Scalable and Adaptive Streaming for Non-Linear Media. *Proceedings of ACM Multimedia* (pp. 357 – 366, 2006), Santa Barbara, California.
63. **David Gotz** and Michelle X. Zhou, Vikram Aggarwal. Interactive Visual Synthesis of Analytic Knowledge. *Proceedings of IEEE Visual Analytics Science and Technology* (pp. 51 – 58, 2006), Baltimore, Maryland.
64. **David Gotz** and Ketan Mayer-Patel. A Framework for Scalable Delivery of Digitized Spaces. *International Journal on Digital Libraries* (Volume 5, Number 3, pp. 205 – 218, 2005).
65. **David Gotz** and Ketan Mayer-Patel. A General Framework for Multidimensional Adaptation. *Proceedings of ACM Multimedia* (pp. 612 – 619, 2004), New York City, New York.
66. **David Gotz**, Ketan Mayer-Patel, and Dinesh Manocha. IRW: An Incremental Representation for Image-Based Walkthroughs. *Proceedings of ACM Multimedia* (pp. 67-76, 2002), Juan-les-Pins, France.
67. Ruigang Yang, **David Gotz**, Justin Hensley, Herman Towles, and Michael S. Brown. PixelFlex: A Reconfigurable Multi-Projector Display System. *Proceedings of IEEE Visualization* (pp. 167 – 174, 2001), San Diego, California.
68. Barbara Rothbaum, Larry Hodges, Renato Alacron, David Ready, Fran Shahar, Ken Graap, Jarrell Pair, Philip Hebert, **David Gotz**, Brian Wills, and David Baltzell. Virtual Reality Exposure Therapy for PTSD Vietnam Veterans: A Case Study. *Journal of Traumatic Stress* (Volume 12, Issue 2, pp. 263 – 271, 1999).
69. Larry Hodges, Barbara Rothbaum, Renato Alacron, David Ready, Fran Shahar, Ken Graap, Jarrell Pair, Philip Hebert, **David Gotz**, Brian Wills, and David Baltzell. A Virtual Environment for the Treatment of Chronic Combat-Related Post-Traumatic Stress Disorder. *CyberPsychology & Behavior* (Volume 2, Number 1, pp. 7 – 14, 1999).
70. Larry Hodges, Barbara Rothbaum, Renato Alacron, David Ready, Fran Shahar, Ken Graap, Jarrell Pair, Philip Hebert, **David Gotz**, Brian Wills, and David Baltzell. Virtual Vietnam: A Virtual Environment for the Treatment of Vietnam Veterans with Post-Traumatic Stress Disorder. *Proceedings of the International Conference on Artificial Reality & Tele-Existence* (pp. 1 – 6, 1998). Tokyo, Japan.

PEER REVIEWED WORKSHOP PAPERS & OTHER PEER REVIEWED MANUSCRIPTS

71. Mengtian Guo, **David Gotz**, Yue Wang. How Does Imperfect Automatic Indexing Affect Semantic Search Performance? *Proceedings of the 6th International Workshop on Health Natural Language Processing (HealthNLP)* (To Appear, 2023).
72. Hung-Jui Tan, **David Gotz**, Hillary M. Heiling, Allison E. Deal, Kara Giannone, Deborah Usinger, Susan Blalock, Antonia V. Bennett, Matthew E. Nielsen, Daniel S. Reuland, Alex S. Harris, Allison Lazard, Greg Sacks, Ethan M. Basch. Visual and numeric risk information reduces variation in surgeon risk perception: results from a randomized, clinical vignette experiment. *Journal of Urology* (Abstract, 2023).
73. Hung-Jui Tan, **David Gotz**, Hillary M. Heiling, Allison E. Deal, Kara Giannone, Deborah Usinger, Susan Blalock, Antonia V. Bennett, Matthew E. Nielsen, Daniel S. Reuland, Alex S. Harris, Allison Lazard, Greg Sacks, Ethan M. Basch. The effect of visual and numeric risk information on surgeon behavior: a randomized, clinical vignette experiment. *Journal of Urology* (Abstract, 2023).

74. Natthawut Adulyanukosol, **David Gotz**. Expanding the Existing Cadence Event Sequence Visual Analysis Tool to Support the Standardized Data Model OMOP CDM. *Visual Analytics in Healthcare (2022)*.
75. David Borland, **David Gotz**. Digestable: Condensed Views of Tabular Data. *IEEE VIS Posters (2022)*.
76. Natthawut Adulyanukosol, **David Gotz**. A survey of OMOP CDM-compatible visualization tools & what the community may do to support tool development and adoption. *OHDSI Symposium (2022)*.
77. David Borland, Irena Brain, Karamarie Fecho, Emily Pfaff, Hao Xu, James Champion, Chris Bizon, **David Gotz**. Enabling Longitudinal Exploratory Analysis of Clinical COVID Data. *Proceedings of the Visual Analytics in Healthcare Workshop (2021)*.
78. Alex Rich, Cameron Yick, **David Gotz**. Local, Interactive, and Actionable: A Pandemic Behavioral Nudge. *Proceedings of the Visualization for Social Good Workshop (2021)*.
79. Hung-Jui Tan, Allison Deal, Antonia Bennett, Susan Blalock, Alex Sox-Harris, Daniel Reuland, Arlene Chung, **David Gotz**, Matthew Nielsen, Ethan Basch. Risk Prediction Tools in an Intuition-Based World: A Mixed Methods Study of Urologic Surgeons. *American Urological Association (AUA) Annual Meeting Abstract (2021)*.
80. Yue Wang, **David Gotz**, Ethan M. Basch, Arlene E. Chung. An Evaluation of Clinical Natural Language Processing Systems to Extract Symptomatic Adverse Events from Patient-Authored Free-Text Narratives. *American Medical Informatics Association (AMIA) Informatics Summit Podium Abstract (2021)*.
81. **David Gotz**, Jonathan Zhang, Smiti Kaul, Georgiy Bobashev, David Borland. Visual Analytics to Combat Selection Bias in Retrospective EHR Data Analyses. *American Medical Informatics Association (AMIA) Annual Symposium Podium Abstract (2020)*.
82. Hung-Jui Tan, Allison Deal, Antonia Bennett, Susan Blalock, Arlene Chung, **David Gotz**, Matthew Nielsen, Dan Reuland, Alex Sox-Harris, Ethan Basch. Urologist Attitudes towards Risk Prediction Tools, Electronic Health Records, and Surgical Clinical Decision Support. *American Medical Informatics Association (AMIA) Annual Symposium Posters (2020)*.
83. Arlene E. Chung, Kimberly Glass, Jacob Leisey-Bartsch, Lucas Mentch, Nils Gehlenborg, **David Gotz**. Precision VISSTA: Bring-Your-Own-Device (BYOD) mHealth Data for Precision Health. *American Medical Informatics Association (AMIA) Annual Symposium Podium Abstract (2019)*.
84. Tim Coleman, Lucas Mentch, Kimberly Glass, **David Gotz**, Nils Gehlenborg, Arlene E. Chung. Precision VISSTA: Machine Learning Prediction and Inference for Bring-Your-Own-Device (BYOD) mHealth Data. *Abstract and Oral Presentation at AMIA Annual Symposium (2019)*.
85. Jonathan Zhang, David Borland, Wenyuan Wang, Joshua Shrestha, **David Gotz**. Dynamic Hierarchical Aggregation, Selection Bias Tracking, and Detailed Subset Comparison for High-Dimensional Event Sequence Data. *Visual Analytics in Healthcare Workshop (VAHC) Posters, Vancouver, Canada (2019)*.
86. Wanchen Zhao, David Borland, Arlene E. Chung, **David Gotz**. Visual Cohort Queries for High-Dimensional Data: A Design Study. *Visual Analytics in Healthcare Workshop (VAHC)*, San Francisco, CA (2018).

87. Yufei Zhang, David Borland, **David Gotz**. Increasing Understanding of Survey Re-Weighting with Visualization. *IEEE VIS Posters*, Berlin, Germany (2018).
88. David Borland and **David Gotz**. Dual View: Multivariate Visualization Using Linked Layouts of Objects and Dimensions. *IEEE VIS Posters*, Berlin, Germany (2018).
89. Hung-Jui Tan, Arlene Chung, **David Gotz**, Angela Smith, Eric Wallen, Raj Pruthi, and Matt Nielsen. MP02-08 Disparate Access to Electronic Health Records and Quality Reporting Among US Urologists. *The Journal of Urology* (Volume 199, Issue 4, 2018).²
90. Arlene E. Chung, **David Gotz**, Bryce B. Reeve, and Ethan M. Basch. Clinician Perspectives on Barriers and Facilitators for Implementing Patient-Generated Health Data into Clinical Care. *Abstract and Oral Presentation at AcademyHealth Science of Dissemination and Implementation Conference (2017)*, Arlington, Virginia.
91. **David Gotz** and Rashnil Chaturvedi. Interactive Temporal Feature Construction: A User-Driven Approach to Predictive Model Development. *IEEE VIS Posters (2017)*, Phoenix, Arizona.
92. **David Gotz**, David Borland, Jesus Caban, Dawn Dowding, Brian Fisher, Vadim Kagan, and Danny T.Y. Wu. Evaluating Visual Analytics for Health Informatics Applications: A Progress Report from the AMIA VIS Working Group Task Force on Evaluation. *Visual Analytics in Healthcare Workshop (2016)*, Chicago, Illinois.
93. Shunan Guo, Chaoguang Lin, **David Gotz**, Bo Jin, Hongyuan Zha, Linhua Shu and Nan Cao. Understanding Care Plans of Community Acquired Pneumonia Based on Sankey Diagram. *Visual Analytics in Healthcare Workshop (2016)*, Chicago, Illinois.
94. **David Gotz**. Soft Patterns: Moving Beyond Explicit Sequential Patterns During Visual Analysis of Longitudinal Event Datasets. *Proceedings of the IEEE VIS 2016 Workshop on Temporal & Sequential Event Analysis (2016)*, Baltimore, Maryland.
95. **David Gotz** and Shun Sun. Visual Assessment of Cohort Divergence During Iterative Cohort Selection. *Proceedings of Visual Analytics in Healthcare Workshop (VAHC) (2015)*, Chicago, Illinois.
96. **David Gotz** and Jimeng Sun. Visualizing Accuracy to Improve Predictive Model Performance. *Proceedings of IEEE VIS Workshop on Visualization for Predictive Analytics (2014)*, Paris, France.
97. Grace Shin, Samuel McLean, June Hu, and **David Gotz**. Visualizing Temporal Patterns by Clustering Patients. *Proceedings of Visual Analytics in Healthcare Workshop (VAHC) (2014)*, Washington, DC.
98. Steven Steinhubl, Jimeng Sun, Rajakrishnan Vijaykrishnan, Roy Byrd, Zahra Daar, **David Gotz**, Shahram Ebadollahi, Walter Stewart. The Signs and Symptoms of Heart Failure are Frequently Documented to Wax and Wane in the Years Prior to a Clinical Diagnosis of Heart Failure: Data from 4,644 Patients Followed in Primary Care. *Clinical Medicine and Research (Volume 11, Issue 3, pp. 134 – 135, 2013)*.³
99. **David Gotz**, Nan Cao, Esther Goldbraich and Boaz Carmeli. GapFlow: Visualizing Gaps in Care for Medical Treatment Plans. *IEEE VIS Poster (2013)*, Atlanta, Georgia.

² This article was published in the Journal of Urology along with other abstracts from AUA 2018.

³ This article was published in the Clinical Medicine and Research journal as a “Selected Abstract” from HMO Research Network 2013.

100. Adam Perer and **David Gotz**. Visualizations to Support Patient-Clinician Communication of Care Plans. *Proceedings of ACM CHI Workshop on Patient-Clinician Communication (2013)*, Paris, France.
101. Adam Perer and **David Gotz**. Data-Driven Exploration of Care Plans for Patients. *ACM CHI Extended Abstracts (2013)*, Paris, France.
102. Zhiyuan Zhang, **David Gotz** and Adam Perer. Interactive Visual Patient Cohort Analysis. *Proceedings of Visual Analytics in Healthcare Workshop (2012)*, Seattle, Washington.
103. Nan Cao, **David Gotz**, Jimeng Sun, Yu-Ru Lin, and Huamin Qu. ChronAtlas: A Visualization for Dynamic Topic Exploration. *IEEE Information Visualization Posters (2011)*, Providence, Rhode Island.
104. Krist Wongsuphasawat and **David Gotz**. Outflow: Visualizing Patient Flow by Symptoms and Outcome. *Proceedings of Visual Analytics in Healthcare Workshop (VAHC) (2011)*, Providence, Rhode Island.
105. Jimeng Sun, **David Gotz**, and Nan Cao. A Visualization Tool for Navigation of Online Disease Literature. *American Medical Informatics Association Annual Symposium (AMIA) Posters (2010)*, Washington, DC.
106. **David Gotz**, Zhen Wen, Jie Lu, Peter Kissa, Nan Cao, Wei Hong Qian, Shi Xia Liu and Michelle X. Zhou. HARVEST: An Intelligent Visual Analytic Tool for the Masses. *Proceedings of the First International Workshop on Intelligent Visual Interfaces for Text Analysis (2010)*, Hong Kong, China.
107. Yedendra Shrinivasan and **David Gotz**. Connecting the Dots with Related Notes. *ACM CHI Extended Abstracts (2009)*, Boston, Massachusetts.
108. Wen-Huang Cheng and **David Gotz**. Context-Based Page Unit Recommendation for Web-Based Sensemaking Tasks. *International World Wide Web Conference Poster (2008)*, Beijing, China.
109. **David Gotz**, Zhen Wen, Jie Lu, Peter Kissa, Michelle X. Zhou, and Nan Cao, Wei Hong Qian, Shi Xia Lui. HARVEST – Visualization and Analysis for the Masses. *IEEE Information Visualization Poster (2008)*, Columbus, Ohio.
110. **David Gotz**. The ScratchPad: Sensemaking Support for the Web. *International World Wide Web Conference Poster (2007)*, Banff, Canada.
111. **David Gotz**, Michelle X. Zhou and Zhen Wen. A Study of Information Gathering and Result Processing in Intelligence Analysis. *Proceedings of Workshop on Intelligent User Interfaces for Intelligence Analysis (2006)*. Sydney, Australia.
112. **David Gotz**. Supporting Adaptive Remote Access to Multiresolutional or Hierarchical Data for Large User Groups. *ACM Multimedia Doctoral Symposium (2004)*. New York City, New York.
113. Jarrell Pair, Carlos Jensen, Jeff Wilson, Larry Hodges, **David Gotz**, and Julian Flores. The NAVE: Design and Implementation of a Non-Expensive Immersive Virtual Environment. *ACM SIGGRAPH Sketches and Applications (2000)*, New Orleans, Louisiana.

EDITED MANUSCRIPTS AND BOOK CHAPTERS

114. Nan Cao, Steffen Koch, **David Gotz**, Yingcai Wu (Guest Eds.). ACM TIST Special Issue on Visual Analytics. *ACM Transactions on Intelligent Systems and Technologies (TIST) (Volume 10, Issue 1, 2019)*.
115. Yingcai Wu, Nan Cao, **David Gotz**, and Steffen Koch. Visual Analytics: Towards Human Machine Intelligence. *NII Shonan Meeting Report No. 2018-120 (2018)*.
116. Nan Cao, Yingcai Wu, **David Gotz**, Daniel Keim, Yap-Peng Tan (Guest Eds.). Special Issue on Visualization and Visual Analytics for Multimedia. *IEEE Transactions on Multimedia (Volume 18, Issue 11, 2017)*.
117. **David Gotz** and Filip Dabek (Eds.). Proceedings of the 8th Visual Analytics in Healthcare Workshop. (2017).
118. Jesus Caban and **David Gotz** (Guest Eds.). Special Issue on Visualization. *Journal of the American Medical Informatics Association (JAMIA) (Volume 22, Issue 2, 2015)*.
119. **David Gotz**, Jesus Caban, and Annie T. Chen. Visual Analytics for Healthcare. *Healthcare Data Analytics (Chapman and Hall/CRC Press, 2015)*. ISBN 9781482232110.
120. **David Gotz** and Jesus Caban (Eds.). Proceedings of the 5th Visual Analytics in Healthcare Workshop. (2014).
121. **David Gotz** and Jesus Caban (Eds.). Proceedings of the 4th Visual Analytics in Healthcare Workshop. (2013).
122. George Bebis, Richard Boyle, Bahram Parvin, Darko Koracin, Baoxin Li, Fatih Porikli, Victor B. Zordan, James T. Klosowski, Sabine Coquillart, Xun Luo, Min Chen, and **David Gotz** (Eds.). Advances in Visual Computing – Proceedings of the 9th International Symposium on Visual Computing, Part I. *Lecture Notes in Computer Science (Volume 8033, 2013)*.
123. George Bebis, Richard Boyle, Bahram Parvin, Darko Koracin, Baoxin Li, Fatih Porikli, Victor B. Zordan, James T. Klosowski, Sabine Coquillart, Xun Luo, Min Chen, and **David Gotz** (Eds.). Advances in Visual Computing – Proceedings of the 9th International Symposium on Visual Computing, Part II. *Lecture Notes in Computer Science (Volume 8034, 2013)*.
124. **David Gotz** and Jesus Caban (Eds.). Proceedings of the 3rd Visual Analytics in Healthcare Workshop. (2012).
125. **David Gotz** and Jesus Caban (Eds.). Proceedings of the 2nd Visual Analytics in Healthcare Workshop. (2011).
126. **David Gotz** and Jimeng Sun (Eds.). Proceedings of the 1st Visual Analytics in Healthcare Workshop. (2010).

NON-REFEREED WORKS

127. **David Gotz** and David Borland. Data-Driven Healthcare: Challenges and Opportunities for Interactive Visualization. *IEEE Computing Edge (January 2017)*.
128. Manish Kumar and **David Gotz**. System Design Barriers to HIS Data Use in Low and Middle-income Countries: A Literature Review. *UNC School of Information and Library Science Technical Report 2016-01 (2016)*.

129. Rachael Hageman Blair, Brian Chapman, Arianna Di Florio, Ellen Eischen, **David Gotz**, Mathews Jacob, Han Yu. Flexible bootstrapping and analytic approaches towards the clustering of complex medical data. *NIH Big Data to Knowledge All Hands Meeting Posters* (2016).
130. Brian Chapman, Arianna Di Florio, Ellen Eischen, **David Gotz**, Rachael Hageman, Mathews Jacob. Interactive Ensemble clustering for mixed data with application to mood disorders. *NIH Big Data to Knowledge All Hands Meeting Posters* (2015).
131. Anne-Marie Meyer and **David Gotz**. A New Privacy Debate. *Science*. (April 10, 2015, Volume 348, Number 6231).
132. Jesus Caban and **David Gotz**. 2011 Workshop on Visual Analytics in Healthcare: Understanding the Physician Perspective. *SIGHIT Record* (Volume 2, Number 1, 2012).
133. **David Gotz**. Dynamic Voronoi Treemaps: A Visualization Technique for Time-Varying Hierarchical Data. *IBM Research Technical Report RC25132* (2011).
134. **David Gotz** and Jimeng Sun. IEEE VisWeek Workshop on Visual Analytics in Health Care 2010. *SIGHIT Record* (Volume 1, Number 1, 2011).
135. **David Gotz** and Michelle X. Zhou. An Empirical Study of User Interaction Behavior During Visual Analysis. *IBM Research Technical Report RC24525* (2008).
136. **David Gotz**. Channel Set Adaptation: Scalable and Adaptive Streaming for Non-Linear Media. *University of North Carolina at Chapel Hill Department of Computer Science Ph.D. Dissertation* (2005).
137. **David Gotz** and Ketan Mayer-Patel. GAL: A Middleware Library for Multidimensional Adaptation. *University of North Carolina at Chapel Hill Department of Computer Science Technical Report TR05-023* (2005).
138. **David Gotz** and Ketan Mayer-Patel. Scalable and Adaptive Streaming for Non-Linear Media. *University of North Carolina at Chapel Hill Department of Computer Science Technical Report TR05-022* (2005).
139. Brian Begnoche, **David Gotz** and Ketan Mayer-Patel. The Design and Implementation of StrandCast. *University of North Carolina at Chapel Hill Department of Computer Science Technical Report TR05-004* (2005).
140. **David Gotz**. The Design and Implementation of PixelFlex: A Reconfigurable Multi-Projector Display System. *University of North Carolina at Chapel Hill Department of Computer Science Technical Report TR01-025* (2001).
141. **David Gotz**. Design Considerations for a Multi-Projector Display Rendering Cluster. *University of North Carolina Department of Computer Science Integrative Paper* (2001).

PATENTS GRANTED

This list enumerates patent applications which have been officially granted. It does not include any patent applications currently under review.

1. Identifying group and individual-level risk factors via risk-driven patient stratification
US 9,996,889
Granted June 12, 2018

2. Multi-faceted visualization of rich text corpora
US 9,390,194
Granted July 12, 2016
3. Visual analysis of multidimensional clusters
US 9,342,579
Granted May 17, 2016
4. Context-based document unit recommendation for sensemaking tasks
US 9183281
Granted November 10, 2015
5. Iterative refinement of cohorts using visual exploration and data analytics
US 9171104
Granted October 27, 2015
6. Methods for organizing information accessed through a web browser
US 9158854
Granted October 13, 2015
7. Iterative refinement of cohorts using visual exploration and data analytics
US 9104786
Granted August 11, 2015
8. Generating animated Voronoi treemaps to visualize dynamic hierarchical data with node insertion
US 8952964
Granted February 10, 2015
9. Interactive visualization of temporal event data and correlated outcomes
US 8849823
Granted September 30, 2014
10. Techniques for organizing information accessed through a web browser
US 8589811
Granted November 19, 2013
11. Methods for organizing information accessed through a web browser
US 8205166
Granted June 18, 2012

TEACHING AND ADVISING

TEACHING AND ENROLLMENT

2023	Spring	INLS 560, Programming for Information Professionals (22 Students) INLS 560, Programming for Information Professionals ONLINE (24 Students) INLS 792, Applied Data Science Practicum (3 Students) COMP 991, Reading and Research (1 Student) INLS 992, Mater's Paper (2 Students) INLS 994, Doctoral Thesis (2 Students)
2022	Fall	INLS 560, Programming for Information Professionals ONLINE (24 Students) INLS 641, Visual Analytics (14 Students) CHIP 696, Study in Health Informatics (1 Student)

		INLS 696, Study in Information and Library Science (1 Student) COMP 991, Reading and Research (1 Student) INLS 994, Doctoral Thesis (3 Students)
	Spring	INLS 560, Programming for Information Professionals ONLINE (19 Students) INLS 641, Visual Analytics (14 Students) INLS 994, Doctoral Thesis (1 Student)
2021	Fall	INLS 560, Programming for Information Professionals ONLINE (20 Students) INLS 641, Visual Analytics (20 Students) INLS 992, Master's Paper (1 Student) INLS 994, Doctoral Thesis (1 Student)
	Spring	INLS 560, Programming for Information Professionals ONLINE (17 Students) INLS 560, Programming for Information Professionals (14 Students) INLS 886, Teaching Practicum (1 Student) COMP 994, Doctoral Thesis (1 Student) INLS 994, Doctoral Thesis (2 Students)
2020	Fall	INLS 560, Programming for Information Professionals ONLINE (18 Students) INLS 641, Visual Analytics ONLINE-SYNC (17 Students) COMP 992, Master's Research (1 Student) COMP 994, Doctoral Thesis (1 Student) INLS 994, Doctoral Thesis (2 Students)
	Spring	<i>Officially on Academic Leave this semester as a RTI University Scholar</i> INLS 992, Master's Paper (1 Student) INLS 994, Doctoral Thesis (1 Student) COMP 992, Master's Research (1 Student)
2019	Fall	<i>Officially on Academic Leave this semester as a RTI University Scholar</i> INLS 994, Doctoral Thesis (2 Students) COMP 991, Reading and Research (1 Student) COMP 992, Master's Research (2 Students)
	Spring	INLS 560, Programming for Information Professionals (15 students) INLS 560, Programming for Information Professionals ONLINE (11 students) INLS 992, Master's Paper (4 Students) INLS 994, Doctoral Thesis (1 Student) COMP 991, Reading and Research (1 Student)
2018	Fall	INLS 560, Programming for Information Professionals ONLINE (13 students) INLS 641, Visual Analytics (21 Students) INLS 992, Master's Paper (1 Student) INLS 994, Doctoral Thesis (1 Student)
	Spring	INLS 560, Programming for Information Professionals (30 students) INLS 560, Programming for Information Professionals ONLINE (16 students) INLS 692, Undergraduate Honors Thesis (1 Student) INLS 992, Master's Paper (4 Students)
2017	Fall	INLS 582, Systems Analysis (24 Students) INLS 641, Visual Analytics (23 Students) INLS 992, Master's Paper (1 Student)

	Spring	INLS 560, Programming for Information Professionals (26 Students) INLS 582, Systems Analysis (27 Students) INLS 696, Independent Study (1 Student) INLS 886, Teaching Practicum (1 Student) INLS 992, Master's Paper (1 Student)
2016	Fall	INLS 582, Systems Analysis (29 Students) INLS 690-224, Visual Analytics (21 Students) INLS 696, Independent Study (2 Students) INLS 992, Master's Paper (2 Students)
	Summer	INLS 992, Master's Paper (1 Student)
	Spring	INLS 560, Programming for Information Professionals (28 Students) INLS 582, Systems Analysis (20 Students) INLS 696, Independent Study (1 Student) INLS 992, Master's Paper (4 Students)
2015	Fall	INLS 582, Systems Analysis (20 students) INLS 690, Visual Analytics (21 students) INLS 992, Master's Paper (2 student)
	Summer	INLS 696, Independent Study (1 student)
	Spring	INLS 394, Independent Study (1 student) INLS 560, Programming for Information Professionals (16 students) INLS 582, Systems Analysis (24 students) INLS 992, Master's Paper (1 student)
2014	Fall	INLS 582, Systems Analysis (13 students) INLS 690, Visual Analytics (17 students)
	Spring	INLS 582, Systems Analysis (23 students)
2004	Summer	COMP 14, Introduction to Programming (enrollment unknown)

PhD COMMITTEES

2023—	Matt-Heun Hong , University of North Carolina at Chapel Hill, Computer Science <i>Thesis Advisor: Danielle Szafir</i>
2023—	Keke Wu , University of North Carolina at Chapel Hill, Computer Science <i>Thesis Advisor: Danielle Szafir</i>
2022—	Ashka Dave , University of North Carolina at Chapel Hill, Information Science <i>Thesis Advisor: Francesca Tripodi</i>
2021—	Shayan Monadjemi , Washington University in St. Louis, Computer Science <i>Thesis Advisor: Alvitta Ottley</i>
2020—	Yuan Li , University of North Carolina at Chapel Hill, Information Science <i>Thesis Advisor: Rob Capra</i>
2021—2023	Austin Ward , University of North Carolina at Chapel Hill, Information Science <i>Thesis Advisor: Rob Capra</i>

- 2021—2023 **Nicole Kramer**, University of North Carolina at Chapel Hill, Bioinformatics and Computational Biology
Thesis Advisor: Doug Phanstiel
- 2018—2021 **Amy Ising**, University of North Carolina at Chapel Hill, CHIP
Advisor: Leah Frerichs
- 2018—2020 **Manish Kumar**, University of North Carolina at Chapel Hill, CHIP
Thesis Advisor: Javed Mostafa
- 2018—2021 **Michael Ortiz**, University of North Carolina at Chapel Hill, CHIP
Thesis Advisor: Javed Mostafa
- 2018—2020 **Gal Levy-Fix**, Columbia University, Biomedical Informatics
Thesis Advisor: Noemie Elhadad
- 2017—2020 **Megan Threats**, University of North Carolina at Chapel Hill, Information Science
Thesis Advisor: Amelia Gibson
- 2016—2019 **Anita Crescenzi**, University of North Carolina at Chapel Hill, Information Science
Thesis Advisor: Rob Capra
- 2015—2018 **Adam Sage**, University of North Carolina at Chapel Hill, Pharmacy
Thesis Advisor: Delesha Carpenter
- 2015—2018 **Natalie Stanley**, University of North Carolina at Chapel Hill, Math/Comp. Biology
Thesis Advisor: Peter Mucha
- 2014—2017 **Chanin Tolson**, University of North Carolina at Chapel Hill, Bioinformatics
Thesis Advisor: Alain Laederbach
- 2016 **Yi Han**, Georgia Institute of Technology, Computer Science
Thesis Advisor: Gregory Abowd and John Stasko
- 2012 **Krist Wongsuphasawat**, University of Maryland, Computer Science
Thesis Advisor: Ben Shneiderman
- 2010 **Yedendra Shrinivasan**, Technische Universiteit Eindhoven, Computer Science
Thesis Advisor: Jack van Wijk

RESEARCH MENTORSHIP AND SUPERVISION

- 2022— **Zeyu Wang** (Advised PhD Student)
PhD Student in Computer Science at the University of North Carolina at Chapel Hill
- 2022— **Natthawut Adulyanukosol** (Advised PhD Student)
PhD Student in Health Informatics at the University of North Carolina at Chapel Hill
- 2022—2023 **Hanqi Hua** (Undergraduate Research Assistant)
Undergraduate Computer Science major at the University of North Carolina at Chapel Hill
- 2021—2022 **Irena Brain** (Undergraduate Research Assistant)
Undergraduate Information Science major, Computer Science and Statistics minors at the University of North Carolina at Chapel Hill

- 2021—2022 **Mark Drewery** (*Undergraduate Research Assistant*)
Undergraduate Information Science and Computer Science double major at the University of North Carolina at Chapel Hill
- 2020— **William Su** (*Co-Advised PhD Student*)
PhD Student in Information Science at the University of North Carolina at Chapel Hill
- 2020— **Mengtian Guo** (*Co-Advised PhD Student*)
PhD Student in Information Science at the University of North Carolina at Chapel Hill
- 2019— **Zhilan Zhou** (*Advised PhD Student*)
PhD Student in Computer Science at the University of North Carolina at Chapel Hill
In progress
- 2019—2020 **Smiti Kaul** (*Graduate Research Assistant*)
MS Student in Computer Science at the University of North Carolina at Chapel Hill
- 2019 **Tasnia Sarwar** (*Undergraduate Research Assistant*)
Undergraduate Computer Science major at the University of North Carolina at Chapel Hill
- 2018—2020 **Jonathan Zhang** (*Graduate Research Assistant*)
PhD Student in Biostatistics at the University of North Carolina at Chapel Hill
- 2018—2020 **Bryce Morrow** (*Graduate Research Assistant*)
MS Student in Computer Science at the University of North Carolina at Chapel Hill
- 2017— **Wenyuan Wang** (*Advised PhD Student*)
PhD Student in Information Science at the University of North Carolina at Chapel Hill
In progress
- 2017—2022 **Alex Rich** (*Advised PhD Student*)
PhD Student in Biomedical and Health Informatics at Univ. of N. Carolina at Chapel Hill
- 2018—2019 **Joshua Shrestha** (*Undergraduate Research Assistant*)
Undergraduate Computer Science major at the University of North Carolina at Chapel Hill
- 2017—2018 **Yufei Zhang** (*Graduate Research Assistant*)
MS Student in Information Science at the University of North Carolina at Chapel Hill
- 2015—2016 **Shun Sun** (*Graduate Research Assistant*)
MS Student in Information Science at the University of North Carolina at Chapel Hill
- 2014—2016 **Arlene Chung, MD, MHA** (*KL2 Mentored Career Development Award Recipient*)
Assistant Professor of Medicine and Pediatrics at Univ. of North Carolina at Chapel Hill
- 2014—2015 **Annie Chen** (*Graduate Research Assistant*)
PhD Student in Information Science at the University of North Carolina at Chapel Hill
- 2013 **Chad Stopler** (*Research Intern at IBM Research*)
PhD Student in Computer Science at the Georgia Institute of Technology
- 2012 **Zhiyuan Zhang** (*Research Intern at IBM Research*)

PhD Student in Computer Science at Stony Brook University

- 2011 **Krist Wongsuphasawat** (Research Intern at IBM Research)
PhD Student at the University of Maryland
- 2010 **Nan Cao** (Research Intern at IBM Research)
PhD Student in Computer Science at Hong Kong University of Science and Technology
- 2008 **Yedendra Shrinivasan** (Research Intern at IBM Research)
PhD Student in Computer Science at Technische Universiteit Eindhoven
- 2007 **Wen-Huang Cheng** (Research Intern at IBM Research)
PhD Student in Computer Science at National Taiwan University

MASTER'S PAPER / PROJECT SUPERVISION

- 2023 **Ziyu Xia**
A Map-based Visual Analytic Platform for Medical Analysis
- Evelyn Ramirez-Flores**
Know Your Water: Sampson County Edition
- 2021 **Melody Lin**
Classifying Comments on YouTube via Pre-Training of Deep Bidirectional Transformers for Language Understanding
- 2020 **Hely Metha**
Validating Medical Queries using Literature from PubMed
- 2019 **Carmen Dolling**
Visualizing U.S. Animal Shelter Outcomes
- Elizabeth Roknich**
Visual Techniques for Stormwater Management: Creation and Usability Study of a Stormwater Fee Dashboard
- Mengnan (Nick) Wang**
Design and Implement a New Remote Web-Based Visualization System for the Clinical Examination and Treatment of Skin Lesions
- Lu Xu**
A visual analysis of EHR Flowsheet to help clinicians have a better understanding of health-related data
- 2018 **Nidhi Shah**
Predictive Modelling to Identify Risk Factors Leading to Opioid Addiction
- Chuting Liu**
A Visual Analysis to Help College Freshmen's Career Choosing – via Aspects of Education Level and Salary
- Kehan Luo**
Machine Learning Approach for Genre Prediction on Spotify Top Ranking Songs
- Nidhi Shah**
Predictive Modelling to Identify Risk Factors Leading to Opioid Addiction

Yufei Zhang

Increasing the Transparency of Survey Re-Weighting Using Visualization

Wanchen Zhou

Visual Query System to Help Users Refine Queries from High-Dimensional Data: A Case Study

2017

Rashnil Chaturvedi

Interactive Temporal Feature Construction: A User-Driven Approach to Predictive Model Development

Katherine Shaw

Visualizing Women in Technology

2016

Jiaoling Chen

A Study to Explore How Differences in the Amount of Details in Visualization Impact Decision-making

Nnenna Ibeanusi

Understanding Geographic, Temporal, and Multidimensional Trends Using Visualization in Healthcare

Jyotsna Krishna Sastrula

Analysis and Visualization Methods for Data-Driven Longitudinal Patient Summary

Rita Kundu

Visual Analytics System Implementation in ICISS environment

Shun Sun

Evaluation of a Visual Analytical Tool Used to Help Reduce the Unconscious Selection Bias Generated During High-Dimensional Data Selection

Zhenwei Wang

Developing and evaluating the internet of things system for room management on campus, a usability perspective

Qiongcheng Xu

Data Mining and Visualization on Live Chat Data for E-commerce Business

2015

Sreenivasula Reddy Gajjala

Longitudinal Analysis of Readmission Risk Using Machine Learning

Olivia Dorsey

Visual Analysis of Phases of Police Brutality Against Unarmed African Americans from 1979 to 2014

Caroline Simpson

Nonprofit Use of Information Visualization

UNDERGRADUATE HONOR'S THESIS SUPERVISION

2018

Sophie Niu

Visualization Tool Use in Secondary Mathematics Classroom Education

GRANTS AND CONTRACTS

ACTIVE GRANTS AND CONTRACTS

NSF CISE III Core Medium October 1, 2022 – September 30, 2026

Title: Counterfactual-Based Supports for Visual Causal Inference

Role: PI

Total Award Amount: \$1,199,999

NSF CISE IIS REU Supplement January 1, 2023 – December 31, 2023

Title: REU Supplement for Counterfactual-Based Supports For Visual Causal Inference

Role: PI

Total Award Amount: \$16,000

NSF CISE IIS: Information Integration and Informatics May 1, 2019 – April 30, 2024

Title: NSF Student Travel Support for the 2019 IEEE Visualization Doctoral Colloquium (IEEE VIS DC)

Role: PI

Total Award Amount: \$25,000

PRIOR FUNDING

DOD Laboratory for Analytic Sciences January 1, 2022 – June 30, 2022

Title: Visual Data Exploration for Integrated Structured/Unstructured Analysis (Year 3)

Role: PI (co-PI with Yue Wang, UNC SILS)

Total Award Amount: \$81,859

NSF CISE IUSE: Computing in Undergraduate Educ. January 1, 2020 – June 30, 2022

Title: CUE: Collaborative Research: Effective Peer Teaching Across Computing Pathways

Role: PI (co-PI with Ketan Mayer-Patel, UNC CS; Coordinating PI is Sarah Heckman, NCSU)

Total Award Amount: \$299,127 (\$47,015 to UNC)

NSF CISE IIS REU Supplement August 21, 2019 – June 31, 2022

Title: REU Supplement for Bias Tracking and Reduction Methods for High-Dimensional Exploratory Visual Analysis and Selection

Role: PI

Total Award Amount: \$16,000

NSF CISE IIS Core Medium Program July 1, 2017 – June 31, 2022

Title: Bias Tracking and Reduction Methods for High-Dimensional Exploratory Visual Analysis and Selection

Role: PI

Total Award Amount: \$1,081,598

DOD Laboratory for Analytic Sciences January 1, 2021 – December 31, 2021

Title: Visual Data Exploration for Integrated Structured/Unstructured Analysis (Year 2)

Role: PI (co-PI with Yue Wang, UNC SILS)

Total Award Amount: \$163,717

NIH UL1 NCATS June 1, 2020 – February 28, 2022

Title: ICEES+ COVID-19 Open Infrastructure to Democratize and Accelerate Cross-Institutional Clinical Data Sharing and Research

Role: Co-Investigator

Total Award Amount: \$412,692

DOD *Laboratory for Analytic Sciences* *January 1, 2020 – December 31, 2020*
Title: Visual Data Exploration for Integrated Structured/Unstructured Analysis
Role: PI (*co-PI with Yue Wang, UNC SILS*)
Total Award Amount: \$213,595

RTI *University Scholar Program* *September 1, 2020 – August 31, 2020*
Title: Scalable Visual Analytics for Semi-Structured Longitudinal Event Data
Role: PI
Total Award Amount: \$127,026

NIH R01 *Efficient Statistical Learning Methods for Personalized Medicine Using Large Scale Biomedical Data* *April 1, 2018 – March 21, 2022*
Role: Co-Investigator
Total Award Amount: \$1,575,556

NIH R01 *Quant. Approaches to Biomed. Big Data* *September 30, 2017 – June 30, 2020*
Title: QuBBD: Statistical & Visualization Methods for PGHD to Enable Precision Medicine
Role: Co-Investigator
Total Award Amount: \$940,152

United Healthcare Foundation *Enable Training Program* *August 1, 2017 – July 31, 2020*
Role: Co-Investigator
Total Award Amount: \$1,600,000

NIH T32 *Big Data to Knowledge (BD2K) Training* *May 1, 2015 – April 30, 2020*
Role: Deputy Director
Total Award Amount: \$316,018

NIH OTC *NIH Data Commons* *September 30, 2017 – June 30, 2018*
Title: A Collaboration for the NIH Data Commons
Role: Co-Investigator
Total Award Amount: \$1,224,574

NSF DMS *QuBBD Program (Collaborative Research)* *September 11, 2015 – September 10, 2017*
Title: Interactive Ensemble clustering for mixed data with application to mood disorders
Role: PI
Total Award Amount: \$100,000 (*\$21,500 to UNC*)

Amazon *Amazon Web Services in Education Grant* *May 1, 2015 – April 30, 2017*
Title: Novel methods for visual analytics of electronic health data at scale
Role: PI
Total Award Amount: \$4,000

NCDS *Data Fellow Award* *January 1, 2015 – December 31, 2015*
Title: Visual analytics for large-scale temporal event data
Role: PI
Total Award Amount: \$50,000

Prior to January 2014, David Gotz was employed by IBM Research and was funded via internal IBM resources.

PROFESSIONAL SERVICE

- 2023 Associate Editor, IEEE TVCG
Program Committee, IEEE VIS
Steering Committee, Workshop on Visual Analytics in Healthcare
Moderator, Visual Analytics in Healthcare Mailing List
- 2022 Associate Editor, IEEE TVCG
Program Committee, IEEE VIS Short Papers
Program Committee, EuroVA
Steering Committee, Workshop on Visual Analytics in Healthcare
Moderator, Visual Analytics in Healthcare Mailing List
Web Chair, Workshop on Visual Analytics in Healthcare
- 2021 Associate Editor, IEEE TVCG
Program Committee IEEE VAST
Web Chair, Workshop on Visual Analytics in Healthcare
Steering Committee, Workshop on Visual Analytics in Healthcare
Moderator, Visual Analytics in Healthcare Mailing List
- 2020 Associate Editor, IEEE TVCG
Program Committee IEEE VAST
Best Short Paper Award Committee, IEEE VIS
Steering Committee, Workshop on Visual Analytics in Healthcare
Moderator, Visual Analytics in Healthcare Mailing List
- 2019 Associate Editor, IEEE TVCG
Best Dissertation Award Committee, IEEE VGTC
Co-Chair, IEEE VIS Doctoral Colloquium
Co-Chair, Workshop on Visual Analytics in Healthcare
Program Committee, IEEE VAST
Program Committee, EuroVA
Program Committee, IEEE/ACM CHASE
Steering Committee, Workshop on Visual Analytics in Healthcare
Moderator, Visual Analytics in Healthcare Mailing List
- 2018 Steering Committee, Workshop on Visual Analytics in Healthcare
Co-Chair NII Shonan Meeting on Visual Analytics: Towards Effective Human-Machine Intelligence
Guest Editor, ACM TIST Special Issue on Visual Analytics
Co-Chair, AMIA VIS WG Task Force on Visualization Evaluation
Program Committee, IEEE/ACM Chase
Program Committee, ACM Intelligent User Interfaces (IUI)
Moderator, Visual Analytics in Healthcare Mailing List
- 2017 Co-Organizer, NII Shonan Meeting on Visual Analytics: Towards Effective Human-Machine Intelligence
Paper Chair, Workshop on Visual Analytics in Healthcare
Steering Committee, Workshop on Visual Analytics in Healthcare
Co-Chair, AMIA Working Group on Visual Analytics (VIS WG)
Co-Chair, AMIA VIS WG Task Force on Visualization Evaluation
Moderator, Visual Analytics in Healthcare Mailing List
Senior Program Committee, ACM International Conference on Healthcare Informatics (ICHI)
Program Committee for ACM Intelligent User Interfaces (IUI)
Program Committee for IEEE VAST
Program Committee, IEEE CHASE

- 2016 Co-Chair, AMIA Working Group on Visual Analytics
 Chair, AMIA Working Group on Visual Analytics Task Force on Visualization Evaluation
 Program Committee, DAVA: 2nd International Workshop on Data Mining Meets Visual Analytics in the Big Data Era, at ACM CIKM
 Co-Chair, IEEE VIS Workshop on Temporal and Sequential Event Analysis
 Guest Editor, ACM Transactions on Multimedia
 Moderator, Visual Analytics in Healthcare Mailing List
 Steering Committee, Workshop on Visual Analytics in Healthcare
 Program Committee, IEEE CHASE
 Program Committee, IMCW
 Program Committee for IEEE VAST
 Program Committee for ACM Intelligent User Interfaces (IUI)
 Program Committee for International Symposium on Visual Computing (ISVC)
 Founder and Co-Chair, Triangle Visualization Group
- 2015 Founder, AMIA Working Group on Visual Analytics (founded in 2015)
 Co-Chair, AMIA Working Group on Visual Analytics
 Co-Chair, Exhibits for IEEE VIS
 Guest Editor, Journal of the American Medical Informatics Association (JAMIA)
 Guest Editor, ACM Transactions on Multimedia
 Program Committee for IEEE VAST
 Program Committee for ACM Intelligent User Interfaces (IUI)
 Program Committee for International Symposium on Visual Computing
 Senior Program Committee for ACM International Conference on Healthcare Informatics (ICHI)
 Steering Committee, Workshop on Visual Analytics in Healthcare
 Moderator, Visual Analytics in Healthcare Mailing List
 Tutorial Organizer, AMIA Annual Symposium Tutorial on Visual Analytics
- 2014 Co-Chair, Industry Outreach for IEEE VIS
 Co-Chair, AMIA Workshop on Visual Analytics in Health Care
 Co-Chair, CIKM Workshop on Interactive Mining for Big Data
 Guest Editor, Journal of the American Medical Informatics Association (JAMIA)
 Program Committee for the International Conference on Information Visualization Theory and Applications
 Program Committee for IEEE International Conference on Health Informatics (ICHI)
 Program Committee for International Symposium on Visual Computing
 Moderator, Visual Analytics in Healthcare Mailing List
- 2013 Co-Chair, International Symposium on Visual Computing
 Co-Chair, AMIA Workshop on Visual Analytics in Health Care
 Co-Chair, SIAM International Conference on Data Mining (SDM) Workshop on Data Mining for Medicine and Healthcare
 Co-Chair, Industry Outreach for IEEE VIS
 Program Committee for the International Conference on Information Visualization Theory and Applications
 Program Committee for the International Workshop on User-Adaptive Visualization
 Program Committee for the KDD 2013 Workshop on Interactive Data Exploration and Analytics

- 2012 Co-Chair, Financial Support for ACM SIGHT International Health Informatics Symposium
 Co-Chair, IEEE VisWeek Workshop on Visual Analytics in Health Care
 Program Committee for the International Conference on Information Visualization Theory and Applications
 Program Committee for the International Symposium on Visual Computing
 DIMACS Medical Informatics Advisory Board
- 2011 Co-Chair, Tutorial Program for IEEE VisWeek
 Co-Chair, IEEE VisWeek Workshop on Visual Analytics in Health Care
 Co-Chair, ACM KDD Workshop on Visual Analytics and Information Fusion
 Track Co-Chair, International Conference of the IEEE Engineering in Medicine and Biology Society (IEEE EMBC)
 Program Committee for the International Conference on Information Visualization Theory and Applications
 Program Committee for the International Symposium on Visual Computing
- 2010 Co-Chair, IEEE VisWeek Workshop on Visual Analytics in Health Care
 Co-Chair, Tutorial Program for IEEE VisWeek
 Program Committee for ACM Multimedia
 Program Committee for the International Conference on Information Visualization Theory and Applications
 Program Committee for the International Symposium on Visual Computing
- 2009 Program Committee for IEEE VAST
 Program Committee for ACM Multimedia
 Program Committee for the International Symposium on Visual Computing
- 2008 Co-Chair, Poster Program for IEEE VAST
 Program Committee for ACM Multimedia
 Program Committee for the International Symposium on Visual Computing
- 2007 Co-Chair, Poster Program for IEEE VAST
 Program Committee for ACM Multimedia
- 2006 Program Committee for ACM Multimedia
 Best Short Paper Award Committee Member for ACM Multimedia Conference

Reviewer for several journals, conferences, and agencies including but not limited to:

ACM Conference on Conference on Human Information Interaction and Retrieval (CHIIR)
 ACM Conference on Human Factors in Computing Systems (CHI)
 ACM Intelligent User Interfaces (IUI)
 ACM Intelligent User Interfaces (IUI) Student Consortium
 ACM Multimedia
 ACM Transactions on Multimedia Computing, Communications and Applications
 ACM Transactions on Intelligent Systems and Technology
 ACM Transactions on Interactive Intelligent Systems
 Applied Clinical Informatics Journal (ACI)
 American Medical Informatics Association (AMIA) Annual Symposium
 Computer Graphics Forum
 EuroGraphics
 EuroVA
 EuroVis
 IBM Journal of Research and Development

IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies
 IEEE Computer Graphics and Applications (CG&A)
 IEEE Information Visualization (InfoVis)
 IEEE International Conference on Health Informatics
 IEEE International Conference of Pervasive Computing and Communications
 IEEE MultiMedia Magazine
 IEEE Transactions on Circuits and Systems for Video Technology
 IEEE Transactions on Multimedia
 IEEE Transactions on Visualization and Computer Graphics
 IEEE Visual Analytics Science and Technology (VAST)
 International Symposium on Visual Computing
 International Conference on Information Visualization Theory and Applications
 Journal of the American Medical Informatics Association (JAMIA)
 National Science Foundation
 Visual Analytics in Healthcare (VAHC) Workshop

SERVICE TO THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- 2023* Faculty Coordinator, Certificate in Applied Data Science, School of Information and Library Science
 Master's Committee, School of Information and Library Science
 Research Advisor Council, School of Data Science and Society
 Co-Chair, Masters in Applied Data Science (MADS) Committee, University of North Carolina
 Royster Society of Fellows Board, University of North Carolina
 Mentor, Carolina Covenant Program
- 2022* Faculty Coordinator, Certificate in Applied Data Science, School of Information and Library Science
 Chair, Undergraduate Committee, School of Information and Library Science
 Co-Chair, Data Science PSM Committee, University of North Carolina
 Data Science Faculty Search Committee, Department of Biostatistics
 Mentor, Carolina Covenant Program
- 2021* Faculty Coordinator, Certificate in Applied Data Science, School of Information and Library Science
 Chair, Undergraduate Committee, School of Information and Library Science
 SILS Executive Coordination Committee, School of Information and Library Science
 PhD Admissions Committee, Carolina Health Informatics Program
 Co-Chair, Data Science PSM Committee, University of North Carolina
- 2020* Faculty Coordinator, Certificate in Applied Data Science, School of Information and Library Science
 Chair, Undergraduate Committee, School of Information and Library Science
 Co-Chair, Data Science PSM Committee, University of North Carolina
 Data Science Pre-Implementation Committee, University of North Carolina
 Research and Doctoral Committee, School of Information and Library Science
 Data Scientist Search Committee, Provost's Office Institutional Research and Assessment
 PhD Admissions Committee, Carolina Health Informatics Program
- 2019* Chair, Project Fair Organizing Committee, School of Information and Library Science
 Data Science Subcommittee on Research, University of North Carolina
 Lead, Applied Data Science Certificate Team, School of Information and Library Science
 Research and Doctoral Committee, School of Information and Library Science

- PhD Admissions Committee, Carolina Health Informatics Program
 MS Admissions Committee, Carolina Health Informatics Program
 CIPHR Steering Committee, UNC Lineberger Comprehensive Cancer Center
 Co-Chair, Data Science PSM Committee, University of North Carolina
 SILS Representative, Data Science PSM Committee, University of North Carolina
- 2018 Chair, Faculty Salary Committee, School of Information and Library Science
 Chair, Project Fair Organizing Committee, School of Information and Library Science Faculty
 Faculty Search Committee: Human-Centered Data Science, School of Information and
 Library Science
 Research and Doctoral Committee, School of Information and Library Science
 PhD Admissions Committee, Carolina Health Informatics Program
 MS Admissions Committee, Carolina Health Informatics Program
 CIPHR Steering Committee, UNC Lineberger Comprehensive Cancer Center
 SPH BIOS Data Science Curriculum Committee, School of Public Health, Dept. of
 Biostatistics
 Co-Chair, Data Science PSM Committee, University of North Carolina
 Associate Director, NIH BD2K T32 Training Program
- 2017 Campaign Faculty Ambassador, University of North Carolina
 SILS Representative, Data Science PSM Committee, University of North Carolina
 Faculty Search Committee, School of Information and Library Science
 Organizer, 3rd Annual SILS Project Fair, School of Information and Library Science
 Chair, Research and Doctoral Committee, School of Information and Library Science
 Faculty Salary Committee, School of Information and Library Science
 PSM Admissions Committee, Carolina Health Informatics Program
 Curriculum Committee, Carolina Health Informatics Program
 Associate Director, NIH BD2K T32 Training Program
- 2016 Organizer, 2nd Annual SILS Project Fair, School of Information and Library Science
 Chair, Research and Doctoral Committee, School of Information and Library Science
 Undergraduate Committee, School of Information and Library Science
 Faculty Salary Committee, School of Information and Library Science
 Admissions Committee, Professional Science Masters, Carolina Health Informatics Program
 Curriculum Committee, Carolina Health Informatics Program
 Associate Director, NIH BD2K T32 Training Program
- 2015 Organizer, 1st Annual SILS Project Fair, School of Information and Library Science
 Staff Excellence Award Committee, School of Information and Library Science
 Undergraduate Committee, School of Information and Library Science
 Faculty Search Committee, School of Information and Library Science
 Faculty Salary Committee, School of Information and Library Science
 Admissions Committee, Professional Science Masters, Carolina Health Informatics Program
 Associate Director, NIH BD2K T32 Training Program
 Search Committee, Health Science Library Head of Health Information Technology
 Initiatives
- 2014 Personnel Committee, School of Information and Library Science
 Admissions Committee, Professional Science Masters, Carolina Health Informatics Program