Kylie R. Lin

Doctoral Student, Human-Centered Computing
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Research Interests: information visualization, decision-making, trust in automated systems, user engagement and critical thinking.

Education

08/2023 – Present	**Georgia Institute of Technology** Ph.D. in Human-Centered Computing Advisor: Cindy Xiong Bearfield GPA: 4.0 / 4.0
2019 – 2023	**Northwestern University** B.S. in Communication Studies & Cognitive Science, magna cum laude *minor: Data Science | module: Digital Media* SoC Dean's List, all eligible terms Lambda Pi Eta honor society member GPA: 3.98 / 4.0

Research Experience

Sept. 2023 – Present	**Graduate Student Researcher** *VisualizaXiong Lab, Georgia Institute of Technology* Advisor: Cindy Xiong Bearfield
Summer 2024	**Applied Behavioral Science Research Intern** *Toyota Research Institute* Mentor: Laura Libby
May 2022 – June 2023	**Student Researcher** *Northwestern University Reading Comprehension Lab* Advisor: David Rapp

Oct. 2020 – June 2023	**Research Assistant**
	Northwestern University Visual Thinking Lab
	Advisor: Steven Franconeri

Summer 2022	**User Experience Research Intern**
	SiriusXM (Automotive Experience Design Team)
	Manager: Katie Bessière

Spring 2021	**Research Assistant**
	Northwestern University Social Media Lab
	Advisor: Jeremy Birnholtz

Publications

Xiong, C., Setlur, V., Bach, B., **Lin, K.**, Koh, E., Franconeri, S. (2021). Visual Arrangements of Bar Charts Influence Comparisons in Viewer Takeaways. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*.

Posters

Lin, K., Ru, S., Rapp, D., Guan, H., Bearfield, C. X. (2024, October). What Makes a Visualization Complex? Exploring Design Features Related to Visual Complexity. [Poster session]. *IEEE Visualization and Visual Analytics Conference*.

Lin, K., Rapp, D., Xiong, C. (2023, November). Does Visual Complexity Impact Reader Comprehension and Confidence of Data Visualizations? [Poster session]. *Psychonomic Society*.

Awad, M. F., **Lin, K.**, & Franconeri, S. L. (2023). Mixed Graph Designs Do Not Improve Visual Memory. *Journal of Vision*, *23*(9), 5781-5781.

Lin, K., Rapp, D., Xiong, C. (2023, May). The Effect of Visual Complexity on Confidence and Comprehension in Visualization Experiences. [Poster session]. *Northwestern Cog Sci Fest, Evanston, IL.*

Awad, M., **Lin, K.**, & Franconeri, S. (2022). Does using a diversity of graph types help your audience remember your data?. *Journal of Vision*, *22*(14), 4279-4279.

Lin, K., Xiong, C., Rapp, D. (2022, May). Attempts to Augment Refutation Text Benefits with Visualizations. [Poster session]. *Northwestern Undergraduate Research & Arts Exposition.*

Lin, K., Awad, M.F., Franconeri, S. (2022, May). The Effects of Visual Diversity in Series of Charts. [Poster session]. *Northwestern Cog Sci Fest, Evanston, IL.*

Professional Experience

2020–2022 **Operations Analyst**
Just One Cookbook

2020–2021 **Graphics Editor & Social Media Graphics Coordinator**
North by Northwestern

Summer 2020 **Market Research & Strategy Case Analyst**
Paravane Ventures

Summer 2018 **Northwestern-Medill Journalism Institute**

Professional Services

2021 **Ad-Hoc Reviewer,** ACM Creativity and Cognition

Fellowships and Awards

2023 Northwestern Department of Communication Studies Departmental Excellence Award for Undergraduate Students

2022 MinneAnalytics Scholarship, $500

2022 **2nd Place,** Women in Data Science Datathon, Chicago

2021 NU Cognitive Science Summer Undergraduate Research Fellowship, $3500

2021 NU Summer Undergraduate Research Grant, $3500 (awarded but declined)

2021 **1st Place,** Northwestern Data Visualization Contest
Interactive global map depicting the number of COVID-19 cases over time using RShiny. Submission published to university archives, see here.

2020 **Finalist,** McCormick Design-a-Thon
Conducted market research and created a wireframe for an app promoting safe social interactions for university students in the time of COVID-19.

2019 Clara Tao Memorial Scholarship, $1000

2017 National Merit Commended Scholar

Teaching Experience

Teaching Assistant

Spring 2023	Data Science Project	Northwestern University
Winter 2023	Data Visualization	Northwestern University
Spring 2022	Data Visualization	Northwestern University
Winter 2022	Data Visualization	Northwestern University
Winter 2021	Persuasive Images: Rhetoric in Popular Culture	Northwestern University

Peer Mentor

Fall 2021	Communication and Technology	Northwestern University

Relevant Coursework

Visualization   Data Science I-III, Data Visualization, Presenting Ideas and Data, Principles of Data Visualization, Information Visualization.

Programming   Fundamentals of Computer Programming I-II, Introduction to Artificial Intelligence, Introduction to Cognitive Modeling, Prototyping Interactive Systems.

Research   Evaluating Evidence, Cognitive Science Proseminar, Research Seminar (Hazards of Computing), Responsible Conduct of Research, Human-Centered Computing.

Skills

Research   Qualtrics, Prolific, Amazon Mechanical Turk, EyeLink 1000 (eye tracking), qualitative data analysis (coding methods), quantitative data analysis (R/RStudio/RShiny, Tableau, Python), UX research, benchmarking research.

Coding   Javascript (D3.js), Python, C/C++, HTML/CSS, Processing, Arduino, Racket, Git.

Design   Human-centered design, Adobe Creative Suite (Photoshop, Illustrator, Premiere, After Effects, Dimension, XD), Microsoft 365 (Excel, Powerpoint, Word), Tableau, Figma, Miro.