Kylie R. Lin

Doctoral Student
School of Interactive Computing
Georgia Institute of Technology

E-mail: klin368@gatech.edu
Website: kylierlin.github.io

Research Interests: information visualization, decision-making, trust in automated systems, user engagement and critical thinking, visualization recommendation systems.

Education

08/2023 – 05/2028	**Georgia Institute of Technology** Ph.D. in Human-Centered Computing Advisor: Cindy Xiong 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 –	**Graduate Student Researcher** *VisualizaXiong Lab, Georgia Institute of Technology* Advisor: Cindy Xiong
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., 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

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, Tableau, Python), UX research, benchmarking research.

Coding   Javascript, Python, C/C++, HTML/CSS, Processing, Arduino, Racket, Git.

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