Ziwei Gu

CONTACT INFORMATION

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RESEARCH INTERESTS

Human-Computer Interaction (HCI)
Natural Language Processing, Visualization, Human-AI Collaboration

EDUCATION

Harvard University, Cambridge, Massachusetts

Ph.D. Computer Science, *August 2022 – Present*
Advised by Elena Glassman, Assistant Professor of Computer Science
GPA: 3.95/4

Cornell University, Ithaca, New York

B.A. Computer Science, Magna cum laude, *August 2017 – December 2020*
B.A. Mathematics, *August 2017 – December 2020*
GPA: 3.94/4

PEER-REVIEWED PAPERS

Ziwei Gu, Ian Arawjo, Kenneth Li, Jonathan K. Kummerfeld, and Elena L. Glassman. An AI-Resilient Text Rendering Technique for Reading and Skimming Documents. In ACM CHI Conference on Human Factors in Computing Systems (CHI '24), May 11-16, 2024, Honolulu, HI, USA. **[Conditionally Accepted]**

Katy Ilonka Gero, Chelse Swoopes, **Ziwei Gu**, Jonathan K. Kummerfeld, and Elena L. Glassman. Supporting Sensemaking of Large Language Model Outputs at Scale. In ACM CHI Conference on Human Factors in Computing Systems (CHI '24), May 11-16, 2024, Honolulu, HI, USA. **[Conditionally Accepted]**

Ziwei Gu[*], Gauri Jain[*], Hongwen Song[*], Isak Diaz[*], Margaux Masson-Forsythe[*], and Jorge Valdes. BiomeAzuero2022: A Fine-Grained Dataset and Baselines for Tree Species Classification with Ground Images. In the 37th AAAI Conference on Artificial Intelligence (AAAI-23) AI for Social Good Workshop, February 14, 2023, Washington D.C., USA.

Jing Nathan Yan, **Ziwei Gu**, and Jeffrey M Rzeszotarski. Tessera: Discretizing Data Analysis Workflows on a Task Level. In ACM CHI Conference on Human Factors in Computing Systems (CHI '21), May 8-13, 2021, Yokohama, Japan.

Ziwei Gu[*], Jing Nathan Yan[*], and Jeffrey M Rzeszotarski. Understanding User Sensemaking in Machine Learning Fairness Assessment Systems. In WWW'21: The Web Conference 2021 (WWW'21), April 19-23, 2021, Ljubljana, Slovenia.

Jing Nathan Yan, **Ziwei Gu**, Hubert Lin, and Jeffrey M Rzeszotarski. Silva: Interactively Assessing Machine Learning Fairness Using Causality. In ACM CHI Conference on Human Factors in Computing Systems (CHI '20), April 25-30, 2020, Honolulu, HI, USA.

INDUSTRY EXPERIENCE

Lyft, San Francisco, California

Data Scientist Intern *2020*

- Estimated the opportunity size of Lyft Family and promoted the successful launch of this feature.
- Clustered rider profiles and recommended incentive products targeting each segment of users.
- Upgraded Lyft's data analysis and visualization tool after seeking input from scientists and engineers across the company.

Data Scientist *2021-2022*

- Experimented with new interface designs and initiatives that increased driver engagement by 8%.

*: Equal contribution

Teaching Experience

Head Teaching Fellow, COMPSCI 178 Engineering Usable Interactive Systems, Harvard CS	*2023*
Graduate Teaching Assistant, CS 4410 Operating Systems, Cornell CS	*2021*
Teaching Assistant, CS 4780 Machine Learning, Cornell CS	*2019-2020*
Teaching Assistant, CS 3410 Computer System Organization and Programming, Cornell CS	*2020*
Teaching Assistant, CS 2110 Object-Oriented Programming and Data Structures, Cornell CS	*2018-2019*

Other Experience

Treasurer, Harvard Chinese Students and Scholars Association (HCSSA)	*2022-Present*
Fellow (Intellectual and Cultural), The Student Center at Harvard Griffin GSAS	*2023-Present*
Project Lead, Statistics Faculty Award winner, Cornell Data Science Team	*2018-2020*
Resident Advisor, Clara Dickson Hall, Cornell University	*2019-2021*