

Ziwei Gu

CONTACT INFORMATION

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Website: <https://www.ziweigu.com/>

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)*, 2024.

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)*, 2024.

Ziwei Gu, Owen Raymond, Naser Al Madi, and Elena L. Glassman. [Why Do Skimmers Perform Better with Grammar-Preserving Text Saliency Modulation \(GP-TSM\)? Evidence from an Eye Tracking Study](#). In *ACM CHI Conference on Human Factors in Computing Systems Late Breaking Work (CHI LBW)*, 2024.

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*, 2023.

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)*, 2021.

Ziwei Gu^{*}, Jing Nathan Yan^{*}, and Jeffrey M Rzeszotarski. [Understanding User Sensemaking in Machine Learning Fairness Assessment Systems](#). In *WWW'21: The Web Conference (WWW)*, 2021.

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)*, 2020.

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%.

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

Latest update: 04/2024