

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, 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 '24 LBW), May 11-16, 2024, Honolulu, HI, USA. **[Just 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.

*: Equal contribution

INDUSTRY EXPERIENCE	Lyft , San Francisco, California	
	<i>Data Scientist Intern</i> 2020 <ul style="list-style-type: none"> • 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. 	
	<i>Data Scientist</i> 2021-2022 <ul style="list-style-type: none"> • Experimented with new interface designs and initiatives that increased driver engagement by 8%. 	
TEACHING EXPERIENCE	<i>Head Teaching Fellow</i> , COMPSCI 178 Engineering Usable Interactive Systems, Harvard CS	2023
	<i>Graduate Teaching Assistant</i> , CS 4410 Operating Systems, Cornell CS	2021
	<i>Teaching Assistant</i> , CS 4780 Machine Learning, Cornell CS	2019-2020
	<i>Teaching Assistant</i> , CS 3410 Computer System Organization and Programming, Cornell CS	2020
	<i>Teaching Assistant</i> , CS 2110 Object-Oriented Programming and Data Structures, Cornell CS	2018-2019
OTHER EXPERIENCE	<i>Treasurer</i> , Harvard Chinese Students and Scholars Association (HCSSA)	2022-Present
	<i>Fellow (Intellectual and Cultural)</i> , The Student Center at Harvard Griffin GSAS	2023-Present
	<i>Project Lead</i> , Statistics Faculty Award winner, Cornell Data Science Team	2018-2020
	<i>Resident Advisor</i> , Clara Dickson Hall, Cornell University	2019-2021