

# Ziwei Gu

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## CONTACT INFORMATION

Email: [ziweigu@g.harvard.edu](mailto:ziweigu@g.harvard.edu)  
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## RESEARCH INTERESTS

Human-Computer Interaction (HCI)  
Machine Learning, Data Mining, Natural Language Processing

## EDUCATION

**Harvard University**, Cambridge, Massachusetts

**Ph.D. Computer Science**, August 2022 – Present  
Advised by Elena Glassman, Assistant Professor of CS  
GPA: 4.0/4.0

**Cornell University**, Ithaca, New York

**B.A. Computer Science**, Magna cum laude, August 2017 – December 2020  
**B.A. Mathematics**, August 2017 – December 2020  
GPA: 3.94/4.0

## PEER-REVIEWED PAPERS

**Ziwei Gu**<sup>\*</sup>, Gauri Jain<sup>\*</sup>, Hongwen Song<sup>\*</sup>, Isak Diaz<sup>\*</sup>, Margaux Masson-Forsythe<sup>\*</sup>, and Jorge Valdes. [BiomeAzuer02022: 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**<sup>\*</sup>, Jing Nathan Yan<sup>\*</sup>, 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%.

## 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

Fellow, Harvard Chinese Students and Scholars Association (HCSSA)  
Project Lead, Statistics Faculty Award winner, Cornell Data Science Team  
Resident Advisor, Clara Dickson Hall, Cornell University

2022-Present  
2018-2020  
2019-2021