

# Sheng Long

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## EDUCATION

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### Northwestern University

*Ph.D. in Computer Science.*

Evanston, IL

Expected May 2026

### William & Mary

*B.S. in Computer Science; Economics.*

Williamsburg, VA

Aug 2016 – May 2020

## PUBLICATIONS

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1. Beyhaghi, H., Camara, M. K., Hartline, J., Johnsen, A., & **Long, S.** (2023). Screening with Disadvantaged Agents. In *Proceedings of the 4th Symposium on Foundations of Responsible Computing (FORC 2023)*.
2. Hartline, J. D., **Long, S.**, & Zhang, C. (2024). Regulation of Algorithmic Collusion. In *Proceedings of the Symposium on Computer Science and Law (CSLAW '24)* (pp. 98–108). Association for Computing Machinery. <https://doi.org/10.1145/3614407.3643706>
3. **Long, S.** & Kay, M. (Forthcoming). To Cut or Not To Cut: A Systematic Exploration of Y-Axis Truncation. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (SIGCHI '24)*. Association for Computer Machinery.

## CONFERENCE PRESENTATIONS

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1. **Screening of Budgeted Agents** July 15, 2022  
*Algorithmic Contract Design: Present and Future (EC'22)* Boulder, CO
2. **To Cut or Not To Cut: A Systematic Exploration of Y-Axis Truncation** Expected May 2024  
*ACM CHI conference on Human Factors in Computing Systems (CHI 2024)* Honolulu, HI

## TEACHING EXPERIENCE

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### Teaching Assistant

*Northwestern University*

*Evanston, IL*

- COMP\_SCI 333 – Interactive Information Visualization Spring 2023
- COMP\_SCI 212 – Mathematical Foundations of Computer Science Fall 2021, Winter 2022, Winter 2023
- COMP\_SCI 369 – Online Markets Spring 2022

### Teaching Assistant

*William & Mary*

*Williamsburg, VA*

- JAPN 201, 202 – Elementary Japanese Fall 2018, Spring 2019, Fall 2019, Spring 2020
- ECON 475 – International Trade Theory Fall 2019, Spring 2020
- GRAD 512 – Computing for the Humanities Summer 2019
- ECON 304 – Intermediate Macroeconomics Fall 2017

## WORK EXPERIENCE

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### Technology Analyst Intern

June — Aug 2019

*Deutsche Bank*

*Cary, NC*

- Researched and produced an online dashboard that analyzes Twitter texts containing cashtags using natural language processing and machine learning
- Examined the relationship between calculated sentiments and stock market closing prices
- Analyzed ag-grid code and assisted with client-side debugging using Java aTwitterlarJS

### Public Policy and Strategic Planning Intern

May — Aug 2017

*Cesar Chavez Public Charter School, Washington, D.C.*

*Washington, D.C.*

- Researched and presented recommendations to the school board on communication-tracking software and platforms for the promotion of the organization
- Managed and reduced 200+ duplicated addresses in the subscriber lists using R-Studio

## AWARDS/HONORS

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- **Phi Beta Kappa** 2019
- **Carl A. Fehr Scholarship** 2017 — 2019
- **James Monroe Scholar Summer Research Grant** 2017
- **Dean's List** 2016 — 2020

## TECHNICAL SKILLS

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**Programming Languages:** R, Python, C/C++, JavaScript, HTML/CSS, Java, Clojure

**Languages:** Chinese (native), Japanese (14 years)

**Developer Tools/Software:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, RStudio, Stata

**Libraries:** pandas, NumPy, Matplotlib, torch, lightning, tidyverse