

# LAN ZHANG

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## Education

### HARVARD UNIVERSITY

A.B. *Applied Mathematics in Computer Science, Minor in Economics*. GPA 3.91/4.00.

Cambridge, MA

Expected May 2021

Relevant Coursework: Data Structures and Algorithms, Introduction to Theoretical Computer Science, Data Science, Introduction to Computer Science, Abstraction & Design in Computation, Tech Ethics, Introduction to Technology and Society, Intermediate Microeconomics and Macroeconomics.

## Experience

### UNITED STATES CENSUS BUREAU

Washington, D.C.

*Software Engineering Intern | 2019 Civic Digital Fellow*

June 2019 – August 2019

- Implemented segment of a machine learning pipeline that uses public data to automate the industry classification code assignment process for 5.9 million U.S. business establishments
- Conducted analysis and visualization of Economic Census response rates and data quality – identified areas for potential savings and formulated methods to apply ML technology to Census surveys in production
- Invited to present findings to U.S. Census Bureau executive staff, including Deputy Director & COO Ron Jarmin, and to an audience of 300 consisting of leaders in the civic technology space
- Contributed to projected savings of \$1.2 million

### E FUND MANAGEMENT

Guangzhou, China

*Data Analyst Intern*

June 2018 – August 2018

- Built 5+ web crawlers in Python to scrape data on U.S. higher education statistics
- Analyzed collected data in Python and R, authored and presented reports summarizing findings

### UNIVERSITY OF PITTSBURGH

Pittsburgh, PA

*Research Intern | Laboratory for Computational Neuroscience*

February 2014 - June 2017

- Conducted applied neuroscience and human-machine interaction research under Prof. Zhi-Hong Mao
- First-author of paper "Internet of Brain: Decoding Human Intention and Coupling EEG Signals with Internet Services", published by IEEE in the 2016 9<sup>th</sup> International Conference on Service Science, pp. 172-179

## Leadership & Activities

### HARVARD PROJECT FOR ASIAN AND INTERNATIONAL RELATIONS (HPAIR)

Cambridge, MA

*Executive Director, 2020 HPAIR Asia Conference*

September 2017 – Present

- Oversee multi-national team of 65 to curate academic content, negotiate sponsorships, and coordinate logistics for the 2020 HPAIR Asia Conference in Taipei, Taiwan
- Managed event, venue, and staffing logistics for the 2019 HPAIR Asia Conference in Nur-Sultan, Kazakhstan (5 days, 300+ delegates)
- Designed track vision, panels, and seminars; secured 12 speakers for inaugural "Art, Media, and Culture" track at the 2018 HPAIR Asia Conference in Kuala Lumpur, Malaysia (5 days, 500+ delegates)

### THE HARVARD CRIMSON BUSINESS BOARD

Cambridge, MA

*Strategy Associate*

September 2018 – August 2019

- Managed client relations and operations of contract printing business with revenue stream of \$80k

## Skills

**Full Stack Development:** Python, OCaml, C, HTML / CSS, JavaScript, Flask

**Data Analysis:** Python, R, SQLite

**Design / UX:** Adobe Illustrator and InDesign, Figma

**Language:** Fluent Mandarin Chinese