LAN ZHANG

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Education

HARVARD UNIVERSITY   Cambridge, MA
A.B. Applied Mathematics in Computer Science, Minor in Economics. GPA 3.91/4.00.   Expected May 2021
<u>Relevant Coursework:</u> Data Structures and Algorithms, Abstraction & Design in Computation, Theoretical Computer Science, Data Science, Intermediate Microeconomics and Macroeconomics, Statistical Inference, Probability, Tech Ethics.

Experience

CAPITAL ONE   New York, NY
Software Engineer Intern | Retail & Direct Bank Tech   June 2020 – August 2020
- Refactored user interface components of the Capital One Mobile iOS application in Swift
- Wrote unit tests for API requests, data managers, and view models of the Teen Checking mobile widget to increase code coverage from 12% to 85%

UNITED STATES CENSUS BUREAU   Washington, D.C.
Software Engineer 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 9th 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)

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: <u>Python</u>, Swift, OCaml, C, C++, HTML / CSS, JavaScript, Flask
Data Analysis: <u>Python</u>, <u>R</u>, SQLite
Design / UX: Adobe Illustrator and InDesign, Figma
Language: Fluent Mandarin Chinese