

Chao Cheng
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Education

HARVARD UNIVERSITY Cambridge, MA
A.B. in Mathematics and Computer Science Class of 2023
Relevant Coursework: Data Structures and Algorithms, Theory of Computation, Linear Algebra, Real Analysis

Experience

HARVARD BUSINESS SCHOOL INDIA RESEARCH CENTER (Remote) Mumbai, India
Research Assistant June – August 2020

- Worked with HBS professors on case writing, industry research, and data analysis in the South Asia region
- Co-authored case studies on a high-profile school for rural children and a major luxury hotel group

WEIZMANN INSTITUTE OF SCIENCE Rehovot, Israel
Research Intern July 2019

- Wrote a paper on machine learning-based kinetic fluorescence imaging analysis using Python and scikit-learn
- Worked with a group of 4 to train unsupervised learning algorithms with data collected from artificial mice

SHENZHEN BOPU FUND Shenzhen, China
Summer Intern April – June 2019

- Analyzed SZSE companies and modeled stock performance using Python and pandas
- Studied risk management strategies and translated reports between English and Mandarin

HAPPIE Boston, MA
Software Development Intern Oct 2018 – March 2019

- Assisted in developing a recruiting web app for connecting employers with candidates
- Performed QA testing and wrote unit tests for the backend using Python, Django, and PostgreSQL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY Cambridge, MA
Student Researcher Jan 2017 – Jan 2018

- Wrote a paper on establishing a bound to the intersections between lines and planes in 4-dimensional space
- Mentored by Professor John R. Williams and presented findings at the MIT PRIMES conference

Leadership and Activities

HARVARD DATA ANALYTICS GROUP
Analyst Feb 2020 – Present

Analyzed live data and company insights to recommend strategies to improve the quality of real-time modelling of matches for a major sports analytics company.

THE HARVARD CRIMSON
Technology Associate Sept 2019 – Present
Maintained the official website of The Harvard Crimson and oversaw transition to new stack using React, Django, and GraphQL. Designed and implemented the Editors' Picks page.

HARVARD-RADCLIFFE CHINESE STUDENTS ASSOCIATION
Information/Technology Chair Sept 2019 – Present
Organized social, cultural, and political events related to Chinese- and Asian-American culture. Maintained official website and moderated email list with more than 1000 subscribers. Managed technical responsibilities for all events.

Skills

Programming: Python, Django, Java, JavaScript, React, Vue, HTML, CSS, PostgreSQL
Languages: Fluent Mandarin, Intermediate French