

CHRIS CAI

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EDUCATION

University of California, Berkeley

B.A. Computer Science, *College of Letters & Science*

B.A. Applied Mathematics, *College of Letters & Science*

Expected Graduation: *May 2021*

GPA: 3.88

Relevant Coursework

*Currently Taking

- **Computer Science:** The Structure of Computer Programs, Data Structures, Computer Architecture, Algorithms, Artificial Intelligence, Database Systems*, Operating Systems and System Programming*
- **Mathematics:** Linear Algebra*, Multivariable Calculus, Discrete Mathematics, Introduction to Analysis
- **Statistics:** Concepts of Probability, Concepts of Statistics

PROFESSIONAL EXPERIENCE

EXPO Committee Director, BERKELEY CHINA SUMMIT

Feb 2018 - Present

- Hosted exhibition and career fairs for leading technology companies including Huawei, ObEn and Kiwi
- Invited Nobel Prize Winner Eric Betzig and Turing Award Winner David Patterson to be forum speakers
- Raised over \$30,000 in sponsorship and developed a sustainable relationship with several Fortune 500 companies

Committee Staff, OPEN COMPUTING FACILITY

Sept 2018 - Present

- Established public mirrors of open-source projects including Kali and Debian and supported 1.31PB total usage
- Hosted and maintained websites for various Berkeley student organizations through virtual hosting
- Supported the Berkeley student community by offering high performance computing and printing

Investment Analyst, XIDIHUI CAPITAL MANAGEMENT, INC.

May 2018 - Aug 2018

- Performed financial statement and valuation analysis on several publicly listed companies including Acetron
- Participated in the reformation of the shareholding structure of LuDaoPei Medical Group
- Prepared company profiles and evaluated rate of returns across several mining companies

PROJECTS

Short URL Web Interface | Python, Django

Sept 2019

- Created a short url generator web interface based on MariaDB and displayed the sorted data on website

Network Traffic Tracker | JavaScript, React

July 2019

- A submodule of the vManage application of Cisco which allows users to check the past network status
- Built an interactive network traffic timeline with React.js which updates with data stream from Cisco routers

Golang File Server | Go

May 2019

- Implemented a file server with file caching and handled concurrent http request with multi-thread
- Developed a timeout system and provided filename sanitization to prevent directory traversal attack

Mirrors Monitoring | Python

Mar 2019

- Added multiple upstreams to health-check monitor and enhanced the mirror performance

Game of Amazons | Java

Nov 2019

- Renovated the game of Amazons according to the game tree structure and amended the graphic user interface
- Trained artificial intelligence for Amazons based on Manhattan Distance and Monte Carlo method

TECHNICAL SKILLS

Languages: Python, Scheme, Java, C, Go, R, JavaScript, PostgreSQL, Bash

Frameworks: React, SQL, Django