

SAMUEL WANG

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EDUCATION

University of California, Berkeley

Cumulative GPA: 4.00/4.00

B.A. in Computer Science

May 2024

- **Relevant Coursework:** Structure of Computer Programs, Data Structures, Discrete Mathematics and Probability Theory

SKILLS

- **Languages:** Python, Java, JavaScript, HTML/CSS, C++, SQL, C#
- **Databases/Frameworks:** MySQL, Django, Flask, MongoDB, DynamoDB, Bootstrap, Angular.js, Swig.js, Node.js
- **Tools:** Git, Jira, Docker, Scikit-learn, NumPy, SciPy, Matplotlib, pandas

EXPERIENCE

SBJ Capital | Lower Middle-Market Private Equity Firm

Walnut Creek, CA

Software Engineer Intern

May 2022 – Aug 2022

- Refactored code base through creating a centralized wrapper class that routes external calls to portfolio manager service
- Analyzed 639 survey responses with Pandas to create 4 data-driven personas to find and monitor 6 consumer trends
- Forecasted and regressed 3 competitors' sales to identify top predictors of growth using SARIMA and SES for investments
- Attended management presentation and assisted with acquisition of healthcare company with \$153.8 million Revenue

Hudson Bend | Search Fund

Austin, TX

Software Engineer Intern

Aug 2021 – Dec 2021

- Designed and implemented mobile web interface for status monitoring of 90 ground stations with Python, Django framework
- Developed an investment communications architecture through Capital IQ Plug-in to link 11K+ unique tickers and CIDs
- Improved page render times of statistics web application from 11 to 3 seconds by rewriting application, Angular.js and Swig.js
- Designed GraphQL Java service to prevent under/over fetching of data in Interaction API gateway, raised performance 13%

Bridge to Eden Life | Education Non-Profit

San Jose, CA

Co-Founder

Aug 2017 – Aug 2021

- Partnered with 3 government schools in underserved communities to teach English to 11K students in 3 provinces in China
- Landed features on Evergreen and Almaden Times, reaching monthly circulation of 15K and 60K website visitors per month
- Raised \$9K by building a value proposition and sponsorship prospectus, lead a team of 12 to develop and deliver curriculum
- Delivered 11 talks to 2K attendees on leadership, non-profit organizations, community outreach, education

PROJECTS

Discord Bot | Python

- Programmed a Discord bot using Hikari API, enabling uses of moderation commands, chat functions, and music
- Created event handler for server and individual user messages, accumulating 2000 unique monthly users across 6 total servers

Traveling Salesman | Java

- Developed a graphical representation of a genetic algorithm designed to solve Traveling Salesman problem
- Implemented GUI to allow user to add cities to grid and display optimized path after genetic algorithm has evolved population

Personal Website | HTML, CSS, JavaScript

- Built samueljwang.com that offers a comprehensive display of projects, along with enabling dark/light mode feature via button
- Added a submission field for users to submit inquiries, and messages, garnering 50+ views per month across 4 countries

Enigma | Java

- Recreated a digital representation of the WWI German Enigma cipher machine in Java, enabling encryption and decryption
- Used file I/O, string manipulation, and object-oriented design to replicate the mechanical elements of the machine

Jumping Cubes | Java

- Built a board game with object-oriented design and created an AI player with minimax algorithm and alpha-beta pruning