WALLACE LIM

CS/DATA SCIENCE
@ UC BERKELEY

CONTACT

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PROFILE

I'm currently studying computer science and data science at UC Berkeley. I'm interested in exploring CS fields, especially machine learning, cyber security, and artificial intelligence, In my free time, I enjoy practicing Wushu, listening to podcasts, traveling, and trying out exquisite new foods.

SKILLS

Advanced

- Java
- Python (Flask,Pandas, Numpy)

Proficient

- C
- HTML/CSS/Javascript

Developing

- AWS - ECS, Lambda, Sagemaker, DynamoDB
- MERN Stack (MongoDB, Express, React, Node.js)
- Golang

EDUCATION

B.A. Computer Science | Data Science
University of Calfornia, Berkeley | May 2022
GPA: 3.92/4.0

Technical Coursework: Computer Security (CS161) | Probability for Data Science (STAT140) | Artificial Intelligence (CS188) Algorithms (CS170) | Data Structures (CS61B), Machine Structures (CS61c) | Data Science (DATA100) | Discrete Mathematics (CS70) | Computer Programs (CS61A)
In Progress: Operating System (CS162) | Optimization Modeling (EECS127) | Business Analytics (UGBA104) | Personal Finance (UGBA135)

EXPERIENCE

Amazon | Classification Policy Platform Team
Software Developer Engineer Intern | May 2020 - Present

- Developed batch clustering tool using internal machine learning AWS Sagemaker model to flag listed products on Amazon and dramatically improved auditor workflow
- Standardized data science python packages hosted on AWS ECS using Docker for Cosine Similarity, MinHash LSH used in the team

UC Berkeley EECS Department
CS61B Tutor | Jun 2019 - May 2020

- Led interactive sections of 30+ students in hands-on programming and problem-based worksheets
- Designed course material to aid in student learning (i.e. practice questions, worksheets, powerpoint slides)

Computer Science Mentor (CSM)
CS61C Senior Mentor | Aug 2019 - Present

- Mentored a group of 5-6 Junior Mentors weekly discussing pedagogy tips and technical content for each week's material
- Taught groups of 4-5 students with use of mini-lectures and problem-based worksheets

PROJECTS

Candidate Tracker - tinyurl.com/upe-candidate-tracker
Python (Flask), AWS Lambda

- Designed club's slack bot to remove the necessity of spreadsheets using Google Sheets API and Slack API hosted on Flask web server
- Streamlined looking up candidate's requirements by over 500% and increase satisfactory rating by over 100%

Musique - tinyurl.com/musique-app
MERN - MongoDB, Express, React, Node.JS

- Web application allowing individuals to add desired songs to a shared queue using Spotify Web API to queue music
- Architected MongoDB database to maintain group song requests
- Developed a login feature for multiple parties to use concurrently

Gitlet
JAVA

- Implemented a version control system that mimics features of Git
- Integrated serialization with Java stream libraries to maintain files, repositories and existing commit structures.

ACTIVITIES

Upsilon Pi Epsilon (CS Honor Society) - Nu Chapter
Software Development Officer | Jan 2020 - Present

- Spearheaded a new club committee designed to help improve club workflow and removed spreadsheet maintenance overhead
- Automated candidate requirement checkoff through slackbot and improved efficiency by 200%
- Organized 15+ individuals into software teams to help develop walkthrough software for popular UC Berkeley CS classes