

Arav Watwani

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EDUCATION

University of California, Berkeley
B.A. Computer Science

Berkeley, CA
Graduation May 2024

EXPERIENCE

Gusto

Software Engineering Intern

San Francisco, CA
May 2022 - Aug. 2022

- Minimized risk of delayed payments from payment processing issues by 60% through creation of a bulk payroll expedite feature
- Enhanced the Payment Operations team's workflow by 4x by expanding the currently available payment rail options for expedites
- Built first product at Gusto that uses infrastructure to make real-time payments an industry standard for eligible bank accounts

LPL Financial

Software Engineering Intern

San Diego, CA
Jun. 2021 - Aug. 2021

- Independently built an internal command line tool to generate error logs from over 2500 rows of LPL's cloud contact center data
- Streamlined unstructured cloud data from API calls into a configurable CSV output, saving 120+ hours of manual work yearly
- Deployed tool to 600+ unique admins to improve error detection, slashing throughput of flawed advisor data by 84%

UC Berkeley, Department of EECS

Lab Assistant

Berkeley, CA
Jan. 2021 - May 2021

- Working to best assist roughly 2000 students by teaching weekly discussion sections in CS 61A, UC Berkeley's Intro. to CS course
- Answered conceptual questions on Python, Scheme, and SQL to help make students' introduction to CS more comfortable
- Improved students' understanding of programming fundamentals by delivering mini-lectures and problem-solving techniques

UC Berkeley, Haas School of Business

Research Assistant

Berkeley, CA
Sept. 2020 - May 2021

- Built an error logging tool in Python to compare web-scraped data to manually found data by lab members, yielding 100% accuracy
- Refactored old Stata scripts written by researchers into Python, enhancing data processing speeds by over 20%

PROJECTS

Job Daily Digest | Python, Pandas, BeautifulSoup

[GitHub Repository](#)

- Created a bot that notifies users of new job postings, eliminating the need for repeated searches on job boards
- Leveraged Twilio's REST API for Python to SMS users, and BeautifulSoup to scrape 100+ rows web data on job postings online
- Parsed data into usable format with Pandas, and wrote a separate script to automate the main tool to send notifications daily

Gitlet | Java

Private Repository

- Designed a version control system that replicates Git's core functionality, including commit, branching, and merging features
- Wrote breadth-first search algorithm to detect split points in commit history, allowing for correct branch merging

ACTIVITIES

Democratic Education at Cal, Teaching Assistant (Introduction to Algorithmic Thinking)
Berkeley Quizbowl, Staff Member
Catalyst for Success, Director of Technology

Aug. 2021 - Dec. 2021
Aug. 2020 - Present
Oct. 2018 - Aug. 2021

SKILLS

Languages: Java, Python, JavaScript, TypeScript, Ruby, HTML/CSS, SQL, Scheme

Tools: React, React Native, NumPy, Pandas, JUnit, Jest, Git, RSpec, Unix, Flask