

Arav Watwani

arav@berkeley.edu | 858-280-5902 | linkedin.com/in/aravwatwani

EDUCATION

University of California, Berkeley
B.A. Computer Science

Graduation May 2023
GPA: 3.65

EXPERIENCE

LPL Financial

Software Engineering Intern

San Diego, CA

May 2021 - Present

- Working in Customer Care Technology to support contact center and CRM systems for advisors

UC Berkeley, Department of EECS

Academic Intern

Berkeley, CA

Jan. 2021 - Present

- Assisted tutoring sections with 6 to 10 students in CS 61A (Structure and Interpretation of Computer Programs)
- Answered conceptual questions and addressed bugs in students' programs during tutoring sections and office hours
- Improved students' understanding of programming fundamentals by delivering problem-solving tips and techniques

UC Berkeley, Haas School of Business

Undergraduate Researcher

Berkeley, CA

Sept. 2020 - Present

- Wrote statistical classification matrix in Pandas to help researchers easily visualize discrepancies in their data
- Optimized lab's workflow by rewriting old Stata scripts to Python, enhancing data processing speeds exponentially
- Efficiently managed the infrastructure side, allowing our 20+ members to focus more on research than finding data

SKUVision

Software Engineering Intern

San Diego, CA

Jul. 2020 - Aug. 2020

- Added a second layer of security in SKUVision's inventory analytics platform, integrating Google's OAuth 2.0 API
- Enhanced future users' understanding of the product by building an MVP demo in Flask

PROJECTS

Gitlet | Java

Private Repository (Class Project)

- Designed an efficient version control system in Java to replicate the core functionality of Git
- Implemented features such as file staging, commits, branching, merging, and tracking status
- Wrote breadth-first search algorithm to detect split points in commit history, allowing for correct branch merging

COVID-19 Case Visualizer | D3.js, HTML, jQuery

github.com/aravwatwani/covid

- Built an interactive visualization of the COVID-19 pandemic to easily comprehend nationwide health situation
- Executed with D3.js to handle document manipulation and used data on case totals from New York Times
- Designed and implemented drag-force physics to create interactive bubbles for each state, enhancing user appeal

League of Legends Skillshot | Java

github.com/aravwatwani/league

- Created a simplified 2D version of League of Legends to practice object-oriented design in Java
- Used Java Swing and Adobe Illustrator to design graphics, handle user controls, and manage character actions

HONORS

Goldman Sachs, Summer Insight Series Awardee

May 2021

State of California, Seal of Biliterycy

June 2020

National Merit Scholarship Corporation, Finalist and Corporate Scholarship Recipient

April 2020

SKILLS

Java, Python, HTML/CSS, SQL, Scheme (Lisp), NumPy, Pandas, JUnit