# Arav Watwani

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## EDUCATION

**University of California, Berkeley**                                                     **Graduation** May 2023
*B.A. Computer Science*                                                                                    GPA: 3.65

## EXPERIENCE

**LPL Financial**                                                                                           San Diego, CA
*Software Engineering Intern*                                                                      *Jun. 2021 - Present*

- Working in LPL Business Solutions (LBS), which helps support contact center and CRM systems for advisors
- Creating a full-stack search dashboard with React and Node.js to help save advisors time in looking up client data
- Leveraging Apollo and GraphQL to query data at 2x the speed of searching on our cloud contact center software

**UC Berkeley, Department of EECS**                                                            Berkeley, CA
*Teaching Assistant*                                                                                  *Jan. 2021 – Present*

- Working to best assist roughly 2,000 students by teaching weekly discussion sections in CS 61A: Intro to CS
- Answered conceptual questions about Python, Scheme, and SQL to make students' introduction to CS comfortable
- Improved students' understanding of programming fundamentals by delivering problem-solving tips and techniques

**UC Berkeley, Haas School of Business**                                                       Berkeley, CA
*Data Scientist, Research Assistant*                                                           *Sept. 2020 – May 2021*

- Built a robust data pipeline in Pandas to help researchers visualize discrepancies in data, saving 5+ hours weekly
- Refactored old Stata scripts to Python to enhance data processing speed, optimizing the 20-member lab's workflow

## PROJECTS

**SWE Daily Digest** ↗ | *Twilio API, Python, Pandas, BeautifulSoup*          github.com/aravwatwani/daily-swe

- Created a bot that sends users notifications of new software engineering job postings, saving lookup time
- Leveraged Twilio's REST API for Python to SMS users, and BeautifulSoup to scrape web data on job postings online
- Parsed data into usable format with Pandas, and automated the script with cron to send notifcations daily

**Gitlet** | *Java*                                                                     Private Repository (Class Project)

- Designed a versioning system to replicate Git's core functionality, implementing branching, merging, commits, etc.
- 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
- Designed and implemented drag-force physics to create interactive bubbles for each state, enhancing user appeal

## HONORS

**Greylock Partners**, Greylock Annual Techfair Admit                                                July 2021
**Lyft**, Software Engineering Early Talent Access Program Participant                               June 2021
**Goldman Sachs**, Summer Insight Series Admit                                                        May 2021
**National Merit Scholarship Corporation**, Finalist and Corporate Scholarship Recipient           April 2020

## SKILLS

**Languages:** Java, Python, HTML/CSS, SQL, Scheme, TypeScript, GraphQL
**Tools:** React, NumPy, Pandas, JUnit, Git, Unix, Docker, Flask, Node.js