Agam Jolly

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EDUCATION

University of California, Berkeley *Berkeley, CA*

B.A in Computer Science, CS Scholars Program *Expected Graduation – Dec 2022*

Major GPA: 3.700/4.000

Relevant Coursework: *Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability Theory (current), Data Structures (current), Information Devices and Systems (current)*

SKILLS

Languages: Python, JavaScript, Java, PHP, Bash, SQL, HTML/CSS

Frameworks and Technologies: Flask, React, Node.js, Docker, Git, Apache/Nginx, jQuery

WORK EXPERIENCE

UC Berkeley — School of Law *Berkeley, CA*

Applications Developer *May 2020 – Current*

- Working with React, PHP (Laravel), SQL, AJAX, JavaScript, HTML and CSS.

UC Berkeley Electrical Engineering and Computer Sciences *Berkeley, CA*

Academic Intern *Jan 2020 – May 2020*

- Oversaw work as course staff for the introductory Computer Science course—*Beauty and Joy of Computing* (CS10)—taken by over 150 students at UC Berkeley in the Spring semester.
- Supported instruction of Python, Snap! and basic data structures, assisting students with understanding concepts like abstraction and recursion for success in future EECS courses.
- Facilitated labs with other academic interns and undergraduate student instructors.

Eli Sleep *Chicago, IL*

Founder and Software Engineer *Jun 2018 – Oct 2018*

- Exited with $130k in pre-seed funding from a prominent venture capital group in Chicago.
- Worked on a product that rectifies sleep disorders in children using a plush toy and an app.
- Collaborated and debugged over 3,000 lines of code in vanilla JavaScript and C. Wrote scalable JavaScript code to run on Arduino systems using NodeBots and Johnny-Five.
- Deployed a dynamic website styled using Gatsby and SASS, decreasing load times by over 30%.

PROJECTS

Covidplasma.in

India's largest dashboard that connects COVID-19 patients to recovered donors for plasma therapy.

- Used a CSV file as an endpoint to develop a REST API that pushes JSON models to dashboard.
- Managed microservice deployment using Docker. Amassed ~50k unqiue website views per day.

FindMyParking.space (HackDavis 2020 Winner🏆)

Cross-platform app that provides a marketplace for users to lease and rent parking spots.

- Designed backend using Flask and SQLAlchemy for storing and updating listings after approval.
- Leveraged Google Cloud Platform's geo-location API scope for accurate map listings.

SchoolZoid

Full-stack app that allows academic institutions to streamline homework submission pipelines.

- Integrated login libraries with HTTP methods and requests for user authentication protocols.
- Improved persistent storage using NoSQL databases and pushed Flask backend to a dashboard.