AGAM JOLLY

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EDUCATION

University of California, Berkeley *Berkeley, CA*
B.A Computer Science, CS Scholars Program *Expected Graduation – May 2022*
Major GPA: 3.7/4.0
Relevant Coursework: *Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability Theory, 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*
- Developing a distributed seating software to be used by alumni, faculty and students at scale.
- 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 and office hours with other academic interns and student instructors.

Eli Sleep *Chicago, IL*
Founder and Software Engineer *Jun 2018 – Oct 2018*
- Exited with $130k in seed funding from a prominent venture capital group based in Chicago.
- Worked on a product at MIT LaunchX incubator that rectifies sleep disorders in children and toddlers using a plush toy, and a progressive web application accessible to parents.
- 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.

PROJECTS

Covidplasma.in
A dashboard that connects COVID-19 patients to donors for plasma therapy in developing countries.
- Developed and scaled the app using Flask, amassing ~50k unqiue website views a day.
- Used a CSV file as endpoint to develop a REST API that pushes JSON models to dashboard.

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 MySQL 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 dashboard.