

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: 3.70/4.00

Relevant Coursework: *Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability Theory, Linear Algebra I (current), Data Structures (current)*

SKILLS

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

Frameworks and Technologies: Flask, Node.js, React, Laravel, Gatsby, SQLAlchemy, Git

PROJECTS

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.

Scheme Interpreter

An interpreter written for Scheme (Lisp) in Python.

- Implemented REPL and evaluator for common Scheme expressions using class-based models.
- Enforced SchemeErrors for recursion limitations, null tokens and invalid user-defined procedures.

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.

WORK EXPERIENCE

UC Berkeley — School of Law

Berkeley, CA

Applications Developer

May 2020 – Current

- Working with 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%.