Agam Jolly

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EDUCATION

UC Berkeley | Berkeley, CA - Bachelors in *Computer Science*

Expected Graduation: Dec 2022 | CS Scholars Program

Relevant Courses: Intro to Computer Science, Data Structures

Organizations: Computer Science Undergraduate Association

SKILLS

Languages: Python, Java, HTML, CSS, JavaScript (Vanilla, Node, React), Bash

Technologies: Linux, Git

WORK EXPERIENCE

Eli Sleep, Chicago, IL — *Founder* and *Software Engineer*

June 2018 - October 2018

- Worked on a product that rectifies sleep disorders in children using a plush toy and an app.
- Organized 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 **GatsbyJS** and **SASS,** decreasing load times by over **30%**.
- Successfully secured **$130k** in **seed funding** from a prominent venture capital group in Chicago.

Samson & Co., Birmingham, UK — *Software Engineering Intern*

May 2017 - September 2017

- Developed a **Python**-based parser using **pyjq** for slicing data to fully structure raw **JSON** queries in a pre-built database management system for efficient employee attendance systems.
- Configured **SPF** and **MX** records for encrypted emails on an **HTTPD Apache Linux** server.
- Used **HTML**, **CSS** and **jQuery** to work on a landing page for an intra-company channel.

PROJECTS

Eli: A **full-stack** app made using **React** and **Firebase** that allows parents to track their child's sleep using intricate microphones and accelerometers connected to an **Arduino** stuffed in a plush toy.

Aankhe: A **cross-platform** app made using **React Native** for people with impaired vision that identifies people, objects and surroundings in real time using **Microsoft Azure**'s cognitive API.

ACTIVITIES

IOI Regionals, LaunchX Scholar, Google Developers Group, CS Scholars@Berkeley