Ethan Daniel

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Education

University of California, Berkeley | GPA: 3.36/4

B.A. Computer Science | Expected Graduation May 2022

Relevant Coursework: Efficient Algorithms and Intractable Problems, Data Structures & Algorithms, Machine Structures, Computer Security, Artificial Intelligence, Designing Information Devices & Systems,

Experience

Software Developer Intern | Jun 2019 – Sep 2019

SMount Tech | Berkeley, CA

- Worked on the Android development team to create a functional app prototype
- Utilized RabbitMQ to send messages to other users on a peer-to-peer network

Software Developer Intern | Dec 2018 – Sep 2019

Vytality Health | San Francisco, CA

- Developed iOS and Android versions of an app for a Y Combinator startup
- Rapidly prototyped different iterations of the app using Agile development
- Implemented core functionality for an Instagram-like social feed

Programming Mentor | Jul 2017 – Aug 2018

The Third Workshop | Windsor, CA

- Mentored children of all ages in programming
- Taught students the fundamentals of programming using tools such as Snap and Codecademy
- Provided IT services

Projects

NetGuard | IoT Security Tool | Feb 2019

- Python/SQL/Docker/Azure
- Top 3 "Best Use of Docker" award, presented at DockerCon 2019
- Used Docker for environment synchronization between systems

The Hound's Bark | High School Journalism Website | Mar 2018

- Python/Flask/SQL/HTML/CSS
- Integrated SQL database to display recent news articles automatically
- Allowed authenticated users to submit articles to be displayed on the website

Sonoma County Bike Coalition | News and Maps App for Android | Apr 2018

- Java/XML/Python/Flask/HTML/CSS
- Implemented website functionality to modify in-app markers
- Scraped the club website to display news articles in the app

Skills

Programming: Java, C, Python, Swift, RISC-V, Docker, JavaScript, SQL, Azure, Flask, Firebase, HTML, CSS

Interests: Baseball, Trumpet, Cycling, Running