ASHLEY YE

Rockville, MD | Berkeley, CA | Open to relocation
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Languages: Python, Java, JavaScript, HTML, CSS, SQL, Scheme
Technologies: React, Node.js, Firebase, Flask, Tensorflow, NumPy, AWS, UNIX, Git

EDUCATION

University of California, Berkeley

B.S. Electrical Engineering and Computer Science | Expected Graduation: May 2024 | GPA: 3.9
Coursework: CS61A: Structure and Interpretation of Computer Programs, CS61B: Data Structures, CS70: Discrete Mathematics and Probability Theory, EECS16A: Designing Information Devices and Systems I, MATH53: Multivariable Calculus

EXPERIENCE

Business Marketing Intern

NASA Goddard Space Flight Center | June 2018 - August 2019

- Raised public awareness for the concept and importance of NASA spinoffs through user-friendly visuals
- Boosted exposure for NASA's OPTIMUS PRIME Spinoff Promotion and Research Challenge by formulating printable teacher resources about the challenge
- Developed an outreach plan for the OPSPARC 2020 launch

Web Development Manager

The Farside Review | December 2020 - Present

- Maintains website and submission manager for the quarterly online literary magazine
- Developed features and splash web pages and weekly newsletter through HTML and CSS
- Improved Google SEO using Yoast

Web Development Curriculum Student

Berkeley PlexTech | September 2020 - December 2020

- Grasped the fundamentals of React, Node.js, Firebase, Flask, and other web development technologies through lectures and hands-on projects in a software consulting organization
- Built a To-Do list web app that tracked daily weekly tasks and accommodated user sign in and authentication using React, Node.js, and MongoDB

Technical Operations Officer

Berkeley IEEE | September 2020 - Present

- Amplified awareness for open source practices by hosting inaugural open source hackathon
- Maintained the IEEE server using Linux and updates documentation in the IEEE wiki

PROJECTS

equiScan

Web-Based Answer Sheet Scanner | Java, Python, HTML, CSS

- Free test-grading web app that allows educators to grade multiple assessments efficiently
- Graded answer sheet files using OpenCV image recognition and processed data with Tablesaw

Autonomous Driving via Accident Analytics

Virtual Self-Driving Car | Python, Tensorflow, Unity

- A machine learning model that uses images from front-facing cameras to learn how to safely drive a car in a virtual environment
- Improved the deep neural network's steering accuracy by generating test data in Unity

AWARDS

- 2019: Lockheed Martin CodeQuest - 3rd Place International
- 2019: Modeling The Future Challenge - Semi-Finalist