Cameron S. Yee

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Education

University of California Davis	**Graduation Date: June 2023**
Bachelor's of Science in Computer Science	GPA: 3.8/4.0

Relevant Coursework: Full Stack Web Development, Data Structures and Algorithms, Object Oriented Programming in C++, Programming and Problem Solving in C, Discrete Mathematics for Computer Science, Operating Systems

Skills

Programming Languages: Python, JavaScript, TypeScript, C++, C, HTML, CSS/SCSS

Frameworks/Technologies: Google Firebase, Angular, React.js, Vue.js, Node.js, Git, Express.js, MongoDB, VIM, Unix, Tailwind CSS, jQuery, AJAX, axios.js, Heroku, Netlify, Google Testing Framework

Honors/Awards: First Place at HackDavis 2020 (hackathon) for Best Use of UiPath Automation Hack, Second Place at HackDavis2021 (hackathon) for Best Use of TensforFlow.js, Dean's Honor List for UC Davis (top GPA)

Work Experience

Google	**Mountain View, CA**
Software Engineer Intern	June 2022 - Present

- Designed and implemented a website (POLAR) using Angular to demonstrate the accuracy of new WiFi RTT location tools compared to current WiFi FLP location tools
- Optimized and reinvented current internal WiFi RTT analyzer website for external developer use
- Incorporated Angular Observables to achieve MVC model, controlling data flow through a multi-page site
- Designed 99% accurate WiFi positioning error calculation tools using TypeScript

UC Davis IET	**Davis, CA**
Full Stack Developer	April 2022 - June 2022

- Recreating AggieFeed news website for over 30,000+ UC Davis students using Vue.js, Typescript, MongoDB
- Implemented news subscription feature using the Vue3 Pinia state-management system to control/update UI components (MVC model), increasing user engagement by over 75%

HackDavis (Hackathon)	**Davis, CA**
Technical Director	January 2022 - June 2022

- Reinvented Hackathon 2022 website using JavaScript, React.js, and CSS to create main landing page and dashboard for over 1000+ users
- Implemented team-finder and team-creator using Google Firebase and React.js to store/update user data
- Collaborated with other HackDavis teams like Design and Operations to increase productivity by over 50% and to ensure effectiveness of the front-end user interfaces

Oneboard.live	**Davis, CA**
Full Stack Developer Intern	May 2021 - December 2021

- Developed checklist for new users utilizing Google Firebase functions and React.js components to automate completion of tasks in real time, lowering the turnover rates of new users by over 20%
- Increased customer retention and signups by 300+ new customers by storing user data and metrics from Google Firebase and displaying in an admin page, allowing marketing team to effortlessly view analytics
- Integrated Draft.js to provide a customizable text editor into the Oneboard chat feature

Technical Projects

Personal Portfolio Website	**July 2021**

- Constructed with React.js, customized with Tailwind CSS, hosted on Netlify (https://cam-yee.netlify.app/)

Learning Resource Library	**February 2021**

- Developed web app that acts as a learning resource library for college students by compiling notes on classes, learning guides, etc. including a search system using tags and keywords
- Implemented SQL CockroachDB to store the table containing the tag mappings to the files, Google Firebase to store the files for backend, and implemented React.js and Material.ui for frontend

Smart and Safe Security System	**January 2021**

- Designed a web page to use the webcam to survey an area and gather data on the number of people and relays said data to a database to determine whether an area is too crowded for comfort
- Quickly adapted to learn and utilize React.js, Node.js, HTML, CSS, and JavaScript to build the security web page while also utilizing the machine learning capabilities of tensorflow.js to detect people in frame