Gavin Poley

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Recent computer science graduate with knowledge of C, C++, Python, JavaScript and developing full stack web applications in group environments following Scrum methodologies using version control tools such as Git, with excellent written and verbal communication skills.

Skills

Languages:	**C, C++, Python, JavaScript, HTML, SQL, CSS, Latex**
Technical:	**Git, Docker, React.js, Express.s, Node.js, PostGreSQL, MySQL, WebGL, Three.js**
Other:	**VSCode, Unix, Scrum, GitHub, GitLab**

Education

University of California, Santa Cruz   June 2023
B.S. in Computer Science   Santa Cruz, CA
Course Work: Introduction to Software Engineering, Data Structures & Algorithms, Database Systems, Full Stack Web Applications, Computer Systems Design, Computational Models, Parallel Programming

Experience

Frontend Developer Intern   June 2023 - Present
SpaceLab | JavaScript, React, Node.js, Sass, Bootstrap
- Implemented web pages and redirects to work alongside with PayPal API for the donation page as well as the success and error pages, allowing public donations to the company successfully.
- Redesigned existing React frontend UI components for 10% better accessibility, enhancing user engagement, and improving overall design.
- Collaborated closely with colleagues during daily and weekly periods to ensure code quality and adhering to company standards, resulting in faster production of new features and updates.

Significant Projects

[**FlixForum**](#) | *JavaScript, React, Node.js, MySQL, Netflix API*   Jan. - March 2023
- Designed, programmed, and implemented RESTful full-stack web application following Scrum methodologies allowing users to login, search over 1000 Netflix shows, post and view 100+ discussion posts on each Netflix show's page.
- Utilized a Netflix API to display to UI, allowing users to search and select shows that appear on the Netflix platform and make posts only related to the selected show.
- Developed and tested frontend UI with React and Material UI components improving navigation of application and displaying information to the user by 20%.
- Deployed backend implementation with Node.js and MySQL to handle 100+ user and forum post data allowing users to login and register as well as see forum posts from themself or other users.
- Lead and collaborated coding sessions in a group of 5 prototyping code for bugs, optimizing code, merging ongoing code, and documenting modifications and features.

[**Multi-Threaded HTTP Server**](#) | *C, Linux, Git*   April - May 2022
- Developed a program simulating HTTP requests to practice network requests using threads.
- Used GET, PUT, and POST HTTP requests to retrieve, modify, or create data to demonstrate basic client to server TCP communication.
- Implemented concurrency using thread management allowing for multiple HTTP requests to be processed simultaneously using mutex implementations, increasing performance up to 50%.