Sam McCormick

samjmccormick@gmail.com | samjmccormick.com | github.com/samjmccormick

Summary

I moved to a new location for personal reasons and used that opportunity to transition out of production engineering, where I had been feeling stagnant, into academic advising. In academic advising, I missed the complex problem-solving and continual learning of engineering, which led me to transition into software development. I am now pursuing a career in a cutting-edge field that will allow me to continuously grow and expand my technical expertise.

Experience

Software Developer Intern, PLAYTOON it Inc – Remote   April 2025 – Present
- Collaborating with a cross-functional team to design, implement, and deploy a new platform in an Agile environment
- Developing web interfaces and backend functionality using HTML, CSS, TypeScript, React, Tailwind, and Next
- Integrating with GitHub for version control, ensuring seamless collaboration and code quality
- Spearheading UI/UX enhancement initiatives, improving usability and responsiveness across devices
- Debugging and performance optimization for a smoother user experience

Academic Advisor & Retention Coordinator, Oregon Institute of Technology – Klamath Falls, OR   Nov 2021 – June 2024
- Developed, coordinated, and implemented retention initiatives to increase retention by 2% year-on-year
- Performed complex professional advising for 700 undergraduates

Production Engineer Lead, Advanced Navigation and Positioning Corporation – Hood River, OR   Jan 2020 – Aug 2021
- Produced 3 Category I Instrument Landing Systems, increasing production by 50% from the previous year
- Implemented 15 new product features to meet customer needs
- Used previous labor, purchasing, and inventory data to forecast the build schedule with 90% accuracy
- Hired and trained 4 production technicians, doubling the headcount of the department
- Performed Factory Acceptance Tests on all 3 systems produced
- Assembled, tested, and configured all mechanical, electrical, and software components of the product

Projects

Members Only Message Board   github.com/samjmccormick/odin-members-only
- Built with EJS, Node.js, Express, and PostgreSQL, and styled with Bootstrap and CSS
- Secure message board with user authentication implemented using Passport
- All user data and posts are stored in a PostgreSQL database, with user passwords hashed before storage using BCrypt
- Certain data is restricted to members only, and users must enter a secret member password to unlock these features

Storefront   https://odin-shoppping-cart.vercel.app/
- Built with React and Vite, and styled with React-Bootstrap and CSS
- Storefront web application with product grid displaying item information fetched from FakeStoreAPI
- Users can fetch more products on demand, view detailed descriptions through an accordion toggle, and navigate between the shop page and cart with a navigation bar
- Features a shopping cart that allows users to add products, adjust quantities, and view a real-time total cost

Education

The Odin Project - React, Databases, Node.js   2025
freeCodeCamp - Javascript Algorithms and Data Structures, Responsive Web Design   2024
Montana State University – BS in Mechanical Engineering   2016

Skills

Languages: JavaScript, TypeScript, HTML5, CSS, SQL
Frameworks/Libraries: React, Express, Next.js, React-Bootstrap, Bootstrap, Tailwind