

Sam McCormick

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Experience

Frontend Developer Intern / CI/CD Lead, Omnia Workspace – Remote June 2025 – Sept 2025

- Refactored a single 800-line frontend file into a 300-line file with reusable hooks and functions using a standard React project structure, improving functionality, readability, and enforcing strict TypeScript typing
- Built and integrated secure authentication flows (login and signup) with backend APIs
- Implemented Tailwind CSS to modernize styling and enhance maintainability
- Automated documentation creation and publishing using TypeDoc and GitHub Pages
- Promoted to lead CI/CD after first week; managed pipelines and development workflows
- Implemented CI/CD pipelines in GitHub Actions to automatically build and test applications on each PR, reducing manual build effort by 100%
- Configured GitHub repository policies, including branch protections, PR templates, and review requirements, preventing direct pushes to main and reducing merge conflicts for 8 developers
- Conducted 10+ PR reviews, ensuring code quality, consistency, and compliance with team standards
- Integrated Azure DevOps for project tracking and task assignments across GitHub repositories

Software Developer Intern, PLAYTOON it Inc – Remote Apr 2025 – Aug 2025

- Collaborated with a cross-functional team to design, implement, and deploy a new platform in an Agile environment
- Developed web interfaces and backend functionality using TypeScript, React, Tailwind, Next, and SQL
- Integrated with GitHub for version control, ensuring seamless collaboration and code quality
- Submitted 13 PRs with a 100% approval rate, implementing 12 new features
- Developed multiple reusable frontend components optimized for maintainability and scalability
- Ensured all components were mobile responsive and accessible following WCAG 2.1 guidelines and ARIA roles
- Implemented smooth UI animations using Framer Motion to enhance user experience
- Built and configured application routing with Next.js to support seamless navigation and scalability

Academic Advisor & Retention Coordinator, Oregon Institute of Technology – Klamath Falls, OR Nov 2021 – June 2024

- Designed and implemented retention initiatives that boosted student persistence by 2% year-over-year, directly impacting institutional growth
- Advised and supported a caseload of 700+ undergraduates, helping students navigate curriculum, policies, and career pathways
- Leveraged data and predictive analytics to identify at-risk students, prioritize outreach, and improve retention
- Built strong partnerships with faculty, staff, and administration to align student support with institutional goals
- Interpreted and applied complex academic policies and curriculum requirements, ensuring compliance and student success
- Increased student engagement by offering multi-channel advising (email, text, Zoom, Microsoft Teams, phone), improving accessibility and response rates

Production Engineer Lead, Advanced Navigation and Positioning Corporation – Hood River, OR Jan 2021 – 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

- Production Engineer**, Advanced Navigation and Positioning Corporation – Hood River, OR

Jan 2020 – Jan 2021

 - Assembled, tested, and configured all mechanical, electrical, and software components for a portable Category I Instrument Landing System
 - Wrote and updated work and test instructions for mechanical, electronic, and software assemblies
 - Tested and repaired radio frequency generating printed circuit boards at the component level
 - Performed Factory Acceptance Tests of Category I Instrument Landing System
 - Fabricated new parts and assemblies to solve mechanical problems and ensure product delivery
- Field Service Engineer II**, Contracted with Hitachi HTA – Hillsboro, OR

Dec 2017 - Jan 2020

 - Maintained, repaired, and troubleshoot Hitachi HTA dry etch tools, including hydraulic, vacuum, and mechatronic systems
 - Implemented hardware, software, and firmware upgrades
 - Interfaced with product design and product support to solve new and unique problems
 - Communicated and delegated tasks effectively in a team environment to ensure efficient service and customer satisfaction
 - Created and improved task procedures and best-known methods to standardize and streamline work
 - Performed the most Clean I procedures without a reclean in 2018 and 2019
- Discipline Equipment Engineer**, Kiewit Corporation – Dallas, TX

June 2016 - May 2017

 - Tracked, managed, and forecasted a \$500K monthly portfolio for the equipment maintenance department within a \$1B infrastructure construction contract
 - Collaborated with business partners to ensure schedule, budget, and contract were maintained and improved upon to provide the Texas Department of Transportation with the most innovative and safe solution
 - Implemented pivot tables and complex data analysis in Excel to shorten monthly forecast time
 - Supervised, managed, and apportioned the work of three subordinate engineers while ensuring compliance with company and regulatory policy
- Equipment Engineer Intern**, Kiewit Corporation – El Paso, TX

May 2015 - Aug 2015

 - Sustained construction through preventative and emergency maintenance of equipment
 - Decreased downtime and boosted production through the design and implementation of preventative maintenance plans based on past equipment breakdowns
 - Used SAP data to create equipment performance efficiency metrics
 - Managed the design and construction of an auxiliary structure for a field office

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, React Native, Expo

Data & Compliance: Data collection/validation, regulatory compliance

Documentation: Technical documentation, procedure writing, audit trail management, quality reporting

Analysis & Tools: Excel (pivot tables, advanced formulas), SQL, data visualization, Microsoft Office Suite

Collaboration: Cross-functional teamwork, training & support, performance improvement initiatives