

Brandon A. Altermatt

Skills

Languages

Javascript, C#, Python, Java, SQL, C++, HTML, CSS

Platforms & Frameworks

Node.js, React, Bootstrap, Git, GCP, AWS, Agile/Scrum, Linux/Unix OS, Docker, Cassandra

Paradigms & Methodologies

API Development, Database Management, UI Design, Automated Testing, Object Oriented Programming, Design Patterns

Experience

Software Engineer | TTM Technologies

11/2021-Present

- Reduced labor costs by designing and implementing automated systems for circuit board manufacturing processes
- Improved maintainability and extensibility of codebases by translating and refactoring legacy software into well-documented applications in modern languages
- Optimized data logging processes by replacing handwritten and legacy systems with modern web applications
- Improved codebase maintainability by establishing use of development tools and standards such as version control, linters, and documentation practices
- Coached automation mentor on implementation of material unloading and material transportation projects

Software Developer Intern | Vegify

04/2021-08/2021

- Drove traffic to Shopify product pages by implementing a menu parser that suggests ingredient alternatives from an online catalog
- Implemented an algorithm to suggest relevant products based on optical character recognition of uploaded menus and product criteria retrieved using the Shopify API

Projects

Documentation Web Application

- Enabled cross-platform use of a documentation application by transforming a machine-dependent Access application into a web application
- Improved data consistency by cleaning and migrating a ~4000 record Access database into a SQL Server database
- Streamlined user experience by redesigning UI and iteratively revising it according to user input

Production Line Human Machine Interface

- Enhanced analysis and troubleshooting of a conveyORIZED production line by providing real time sensor data and charts of material movement
- Provided an intuitive interface to control a material auto-loader
- Reduced material scrap by automatically halting production upon detecting jams or material discrepancies

Industrial Laminator Web Dashboard

- Developed a web application to graphically represent SQL data generated by an industrial laminator
- Enabled analysis of historical data for utilization, temperature, pressure, etc. within a customizable time range

Pentesting Scripts

- Evaluated the security of Portswigger websites by exploiting vulnerabilities to elevate privileges and exfiltrate data

Education

Portland State University

Bachelor of Science, Computer Science

Portland, OR

09/2016-8/2021