

Mason Austin

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SKILLS

Languages: JavaScript, TypeScript, Python, C++, Lua, HTML/CSS, SQL

Frameworks/Tools: React, Redux, Flask, Node.js, Express.js, SQLAlchemy, PostgreSQL, Docker, Git

Relevant Skills: Pair Programming, Object Oriented Programming (OOP), Test Driven Development (TDD)

PROJECTS

Filmmakr

[GitHub Repository](#) | [Live Site](#)

React, Redux, Flask, AWS, PostgreSQL, Docker

- Integrated AWS and Cloudfront to allow users to easily create galleries of photos, images, and videos to display on a fully customizable portfolio.
- Implemented web sockets for seamless monitoring of upload progress for large files.
- Constructed and utilized database models and schemas with SQLAlchemy ORM (Object Relational Mapping) to ensure optimized user data manipulation and retrieval.
- Developed React components that dynamically render user galleries, focusing on an aesthetically pleasing and user-friendly display based on conditional parameters in a user's portfolio.

Savory Scoot

[GitHub Repository](#) | [Live Site](#)

React, Redux, Flask, PostgreSQL, Docker

- Collaborated with a team of four to create a full-stack application in one week, utilizing GitHub for seamless version control and successful code merging, and applying Scrum methodologies to enhance project agility and ensure timely delivery of high-quality software iterations.
- Utilized and managed a PostgreSQL database to securely store and efficiently manage user data, ensuring data integrity, scalability, and optimal retrieval for seamless application functionality.
- Engineered a robust backend for a web application utilizing Flask framework, orchestrating the development of RESTful APIs that facilitated seamless interaction between frontend and backend, ensuring scalability and optimal performance.
- Enhanced site uniformity and reliability while reducing development time by integrating Redux for global state management.

WORK EXPERIENCE

Jaymarc AV

Seattle, Washington

Audio Visual System Programmer

March 2020 – May 2023

- Installed, configured, and optimized AV network equipment (network switches, digital signal processors, etc.) in over 30 different locations.
- Established compatibility with third-party software by developing Lua scripts to control devices over a serial connection in over 20 locations.
- Designed Lua scripts with conditional logic to automate room control actions and improve overall user experience.
- Implement policies, procedures, and best practices to protect data, reports, and access in over 20 locations.
- Provided end-user training to customers, in person and remotely across 20+ locations.
- Maintained organization, cleanliness, and safety in work areas.
- Reviewed blueprints and electrical schematics to perform tasks to specifications.
- Examined and tested electrical systems to locate loose connections or other faults and make proactive repairs.
- Resolved issues with existing systems and replaced malfunctioning parts.

EDUCATION

App Academy

Remote

Full Stack Web Development

Graduated December 2023

Olympic College

Bremerton, Washington

A.A. in Arts and Sciences

Graduated July 2018