

TAYLOR VO

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EXPERIENCE

Sahoma Controlware | *Product Software Engineer*

May 2022 - August 2022

- Performed ongoing maintenance and comprehensive testing of the full-stack software system supporting Microsoft's Nomadic Broadband Project.
- Implemented an auto-start functionality enabling users to restart the system in case of software irregularities
- Developed and integrated Azure B2C's sign-in user flow into web applications, ensuring access controls are limited to authenticated users.

Washington State University | *Software Engineer Intern*

Jan 2022 - May 2022

- Developed Full-Stack IoT data acquisition software for Ferry County and worked closely with Microsoft Airband Initiative to bring power and internet connectivity to emergency services in rural areas
- Developed a secure sign-in page and a front-end web application that displays and monitors multiple sensors, as well as controls eight or more peripherals on a physical device.
- Conducted thorough software testing and collaborated on peer reviews to minimize the occurrence of bugs
- Incorporated Azure IoT hub to establish bi-directional communication with diverse devices

EDUCATION

Washington State University

May 2022

Bachelor of Science in Computer Science

GPA: 3.63 / 4.00

• **Relevant Courses:**

Advanced Data Structures, Artificial Intelligence, Computer Organization Differential Equations, Software Engineering, Computer Architecture and Design, Algorithm and Design, Cryptography, and Databases

PROJECTS

Customer Experience Management | github.com/ehlong/CXM

- Created a full-stack Windows application that utilizes machine learning algorithms to classify Twitter tweets as part of a group capstone project
- Led an Agile team of three to develop a front-end web application optimized for a responsive desktop experience
- Developed a custom REST API to interface with a MongoDB database that stores inferred Twitter tweets classified by a machine learning algorithm

Admin Dashboard | github.com/RolyatVo/AdminDashboard

- Developed a full-stack MERN Dashboard application that incorporates MUI, Nivo, and Redux Toolkit Query to provide admins with insights into their products and users
- Utilized Nivo charts and MUI's data grid for responsive data visualization and organization
- Implemented multiple RESTful API endpoints, including one aggregate endpoint, to handle data from multiple collections

Goals Manager | github.com/RolyatVo/GoalManager

- Created a full stack MERN app with ReactJS, Axios, Redux, and Express to allow users create and update personal goals
- Built a RESTful API that enables user authentication and interaction with MongoDB
- Developed and implemented secure authentication and authorization mechanisms using JSON Web Tokens (JWT) to protect routes and improve the security of the application

TECHNICAL SKILLS

Programming Languages: Javascript/TypeScript, Python, Java, C, SQL

Frameworks / Libraries: React, Redux, MaterialUI, TailWind, Express, Axios

Tools: Git, VS Code, IntelliJ, Eclipse, Linux, Docker, Postman

Other: Relational Databases, Firebase, Azure, HTML/CSS