

Alexander Shen

shenalexw@gmail.com

<https://linkedin.com/in/shenalexw> | <https://github.com/shenalexw>

EDUCATION

Oregon State University

Corvallis, OR

Bachelor of Science, Computer Science, GPA 3.94/4.0

Graduation Date: December 2022

Competitions: OSU Beaverhacks Fall 2021 Hackathon | Lucid Programming Competition 2021

WORK EXPERIENCE

Qualtrics XM Platform™

Seattle, WA

Software Engineering Intern - EX Insights & Action Planning

June 2022 – September 2022

- Deployed a data visualization feature that helps clients digest employee feedback data using **React / Typescript**.
- Implemented front-end code to call asynchronous APIs using **Axios** library to retrieve employee insight objects.
- Constructed logic on client-side using **Javascript** to process data according to functional design requirements..
- Led weekly coordination syncs with project manager and mentor to review product functionality and design improvements leading to 2-3 new features that were integrated into the final product.
- Maintained an 85% code coverage over unit tests through edge cases and mock data replication using **Jest**.

Oregon State University

Corvallis, OR

Web Developer - ABET Collection Tool

January 2022 - June 2022

- Refactored 4000+ lines of code to assist faculty members track and assess courses based on survey data resulting in improved code legibility and allowing users to share specific landing pages using **PHP / jQuery / MySQL**.
- Removed security risk by addressing vulnerable APIs with validation of client-inaccessible PHP session variables
- Enhanced user experience by rendering snackbars with proper HTTP response codes and messages after API call

Teaching Assistant - CS 290 Web Development

March 2021 – June 2021

- Supplemented learning through an online discussion board of 150+ students resulting in an average of 88.76%.
- Collaborated with 10+ students individually in weekly office hours to resolve misconceptions or debugging.
- Guided students through a fitness tracker UI table project using the **Handlebars** library in **Node.js** to dynamically render changes from an asynchronous api call resulting in a class average bump of 10%.

PROJECT EXPERIENCE

Pass Genny - MERN Application

Javascript / React / Node.js / Express.js / MongoDB

https://github.com/shenalexw/Pass_Genny

- Full-stack web application that allows visitors to generate user-configured passwords and store up to 5 for later usage.

Peety Coffee Counter - Slack Bot

Python / Flask / MongoDB

<https://github.com/shenalexw/peety-coffee-counter>

- Slack bot that tracks a weekly coffee consumption leaderboard through slack user information and slash commands.

Stockify - In Stock Notifier

Python / BeautifulSoup4 / smtplib

<https://github.com/shenalexw/EmailStockNotifier>

- Email notifier to alert a user when a product of their choice and size is in stock by periodically processing web scrapped HTML.

SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, MySQL, MongoDB, PHP, Dart, C, x86 Assembly

Frameworks/Libraries/Tools: React, Typescript, Node.js, Express.js, JQuery, Jest, Flutter, VS Code, Postman, Figma