Shane Roach

(541) 852-0216 · roach.patrick.shane@gmail.com · GitHub · Seattle, WA

EDUCATION

Code Fellows Seattle, WA

Advanced Software Development 2022

Coursework: Advanced Software Development in Java with SpringMVC & Android, Intermediate Software Development, Foundations of Software Development.

Cornerstone Project: Created an end-to-end application for both web and android using AWS Amplify/Cognito/DynamoDB, Java Spring, Android Studio, Thymeleaf, and Heroku.

Oregon State University Corvallis, OR

Bachelors of Engineering 2019

Dean's List 2018-2019

Coursework: Applied Differential Equations, Matrix and Power Series Methods, Statistics for Engineers, Biosystems Analysis and Modeling, EE Computation.

Cornerstone Project: Designed a bioreactor used to filter heavy metal contaminants from the environment. Developed the design calculations, modeling, and performed a failure mode analysis.

PROFESSIONAL EXPERIENCE

Code Fellows Seattle, WA

Software Engineering Teaching Assistant 09/2022 – Present

- Aid students in solving complex coding assignments.
- Provide students with feedback to improve efficiency, code quality, and promote best practices.
- Meet with course staff to improve the quality of course content.

SKILLS

- Python.
- JavaScript (ES6, React, Redux, Node.js).
- Cloud (AWS).
- Databases (PostgreSQL, MongoDB, DynamoDB, GraphQL).
- Security (Cognito, Auth0, Spring Security).

ACTIVITIES AND LEADERSHIP

Supervisor Corvallis, OR

Oregon State University

- Directed staff in daily operations of an indoor climbing center with over 300+ daily active users.
- Instructed classes on various technical climbing skills.

Firefighter Eugene, OR

State of Oregon

- Fire prevention, pre-suppression, fire suppression and post-suppression as a primary crew member and relief operator of fire engineers and/or crew vehicles.