SEAMUS OMALLEY

seamus0192@gmail.com | 619.538.3674 | github.com/seamus0192 | linkedn.com/in/seamus-quinn-omalley/

EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)   Graduating June 2025
Bachelor of Science Degree in Computer Science, Planned Minor in Data Science
GPA: 3.34
Dean's List: Fall 2022

Relevant Coursework: Introduction to Computing: Computational Art, Data Structures and Algorithms, Intro to Computer Organization, Project Based Object-Oriented Programming and Design, Probability and Simulation in R, and Statistical Methods for Engineers
Planned Coursework (Spring 2023): Intro to Data Science, System Programming, Discrete Structures

SKILLS

Programming Languages: Java, R, Python, C, HTML/CSS, JavaScript, RISC-V
Software Tools: GitHub, VSCode, IntelliJ, XCode, p5js, ssh/sFTP, RStudio, Processing.java

PROGRAMMING PROJECTS

Lasagna Survival, Java Game Application: Object Oriented Programming Final Project
Languages and Tools Utilized: Java, Processing, IntelliJ, GitHub
- Worked with a large code base to create an interactive game in the java processing environment
- Worked with a partner, navigating GitHub version control alongside designating tasks/ debugging
- Utilized knowledge of abstract classes, interfaces, A* pathfinding, and other object-oriented essentials
- Worked with tools such as UML, java documentation, and design patterns to create well-structured code

Craigslist Data Scrapper, Python and Selenium, Personal Project
Language and Libraries Utilized: Python, Pandas, Selenium, Discord.py
- Uses chromedriver.exe to scrape craigslist for new housing listings in query given by URL
- Reads and writes to .csv file to store data on listings, helps program identify new listings.
- Runs hourly using crontab, sends update message to my personal discord when new houses are listed.

Website Frontpage, Website: Personal Project
Languages and Tools Utilized: Visual Studio Code, HTML, CSS, Bootstrap, and JavaScript
- Used CSS and JavaScript techniques in order to implement dynamic elements on HTML page
- Used bootstrap styling techniques such as jumbotron and container to emphasis visual appeal
- Wrote HTML script to format and link different elements, expandable and well structured

Workman Adventure, JavaScript using p5js Environment: Team Project
Languages and Tools Utilized: JavaScript, p5js, Sublime
- Collaborated with a group with design, programming, and distributing work based on different strengths
- Built an interactive web application that links visual elements to actual code
- Main focus on user experience, with poker simulation, parachuting game segment, and 2d platforming.

WORK EXPERIENCE

Demonstrated excellent teamwork, time management, customer service, and communication skills through the following employment:
Show Operations– SeaWorld San Diego, San Diego, CA (25 hours/week)
2019 - 2021
Busser/ Food Runner – Mona Lisa Italian Food, San Diego, CA (15 hours/week)
Summer 2022

CAMPUS INVOLVEMENT/VOLUNTEER WORK

Beta Theta Pi, Member   January 2022 - Present
- Performed over 50 hours of community service for organizations throughout San Luis Obispo
- Participated in campaigns to raise thousands of dollars for the Woods Humane Society