**SEAMUS OMALLEY**

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**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