Max Allworth-Miles

maxallworthmiles@gmail.com - 360-316-9971 - www.linkedin.com/in/maxallworthmiles

Sophomore Computer Science undergraduate at Cal Poly San Luis Obispo, seeking a Software Engineering related summer internship.

EDUCATION	California Polytechnic State University, San Luis Obispo **Major:** Computer Science, AI/ML Concentration **Minor:** Media Arts, Society and Technology, with UX/Graphic Comms Focus **Cumulative GPA:** 3.4 - **CS Course GPA:** 3.8
RELEVANT COURSEWORK	Fundamentals of Computer Science - Data Structures - Project-Based Object-Oriented Programming - Introduction to Computer Organization - Discrete Structures - Systems Programming - Calculus I-III - Linear Analysis
ACADEMIC PROJECTS	Refactored a large Java codebase that simulated a simple 2-dimensional world, with the goal of improving cohesion, eliminating redundancy, and adding additional entities and user interactivity. Implemented a simple web server in C that supports a subset of the Hypertext Transfer Protocol and services multiple client requests simultaneously. Developed a C program that parses user-provided files that delineate operations to perform. Processed and displayed demographic information from extensive census data based on user input.
PERSONAL PROJECTS	**2024.03 - Present:** Building a C program that elevates the macOS terminal experience with ASCII art and real-time system stats using various system information retrieval methods. GitHub Link: https://github.com/mallworth/TerminalStats **2024.01 - Present:** Currently collaborating on a program with a partner that uses counterfactual regret minimization to train an AI model to play heads-up poker. **2023.12:** Wrote a program that analyzes RGB levels in live webcam feed and translates pixels into characters, generating text based image replicas. GitHub Link: https://github.com/mallworth/TTimage
SKILLS	C - Java - Python - LC3 Assembly - TypeScript - HTML/CSS - Unix command line operations - Adobe Photoshop/Lightroom Excellent verbal and written communication - Strong leadership and teamwork skills - Detail oriented - Creative, with a background in analog and digital photography and editing software