

Objective:

Computer Science student (May 2027) seeking a software engineering internship where I can apply my experiences with C, Python, full-stack web development, and systems programming

Education:

- California Polytechnic State University - San Luis Obispo - G.P.A. 3.62
 - B.S. in Computer Science - Expected May 2027
- Santa Rosa Junior College (Dual Enrollment) - G.P.A. 3.8
 - Completed Computer Science (C++) and Discrete Mathematics while in high school
- Windsor High School, Windsor, CA - Class Salutatorian
 - Graduated June 2024 - G.P.A 4.0

Skills:

Programming Languages: C, Python, Java, JavaScript, HTML, CSS, RISC-V Assembly

Tools: React, Jest, Azure, REST APIs, Valgrind, Vim, JMP, Excel, AutoCAD

Software Engineering Practices: Agile/Scrum, Source control with Git/Github, 88 wpm

Technical Projects:

- **Inventory Web App:** Used Agile software processes to work with a team and create a full-stack inventory web app with Express Javascript for back end and React Javascript for the front end. Hosted with Azure.
- **Advent of Code:** Completed over 15 Advent of Code challenges in Python using common data structures such as a stack, hashmap, and queue to solve Christmas themed problems.
- **LZW Encoding:** Created C program to compress and decompress text files using the Lempel-Ziv-Welch (LZW) algorithm with a custom dictionary implementation.
- **RISC-V MMIO Exception Handling:** Implemented low-level exception handling through memory-mapped I/O in RISC-V assembly.
- **CSV to ASCII Histogram Converter:** Built a C program to parse and visually represent CSV data as an ASCII histogram.
- **Text File Format Converter:** Developed a C utility to convert between DOS and UNIX text file formats.
- **Java Virtual World Pathfinder:** Using object oriented techniques in Java, created an A* pathfinding algorithm for 2D virtual world.
- **Large Number Class in Java:** Implemented a custom linked-list-based class for arbitrarily large number arithmetic.

Relevant Coursework:

- Data Structures, Systems Programming, Software Engineering Project Based OO Design, Assembly, Linear Algebra, and Web Development

Work Experience:

- Brelje and Race Consulting Engineering - Santa Rosa, CA
Engineering Intern - Summer and Fall 2023
 - Gained exposure to civil engineering workflows and drafting standards.
 - Utilized AutoCAD to assist engineers with technical drawings.
 - Attended project meetings and site visits to understand real-world applications
- Healdsburg Swim Center - Healdsburg, CA
Lifeguard and Swim instructor - May 2022 through September 2025
 - Enforced facility rules and responded promptly to emergencies.
 - Taught fundamental swimming skills to children of various ages and skill levels.
 - Demonstrated strong communication and interpersonal skills