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Objective:
Computer Science December 2026 Graduating with B.S. seeking internship or coop in software development that will lead to fulfilling career

Education:
- California Polytechnic State University - San Luis Obispo
  - B.S. in Computer Science - Expected December 2026
  - G.P.A. 3.615
- Santa Rosa Junior College (Dual Enrollment)
  - Completed Computer Science (C++) and Discrete Mathematics while in high school
  - G.P.A. 3.8
- Windsor High School, Windsor, CA
  - Graduated June 2024 - 4.0 G.P.A
  - Class Salutatorian

Skills:
Programming Languages: C, C++, Java, Python, RISC-V Assembly, HTML, CSS, JavaScript
Tools and Technologies: React, Valgrind, Vim, AutoCAD, JMP, Excel

Technical Projects:
- **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, Project Based OO Design, Assembly, and Systems Programming, 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