

THOMAS BECANNON

(707) 498-5508

Software Engineering | Cal Poly Humboldt | Arcata, CA | [LinkedIn](#)

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Software Engineering student graduating in Spring 2026 with extensive experience in systems programming, data structures/algorithms, and database design. Skilled in C, C++, Python, and SQL, with hands-on training building multi-process applications, relational databases, and independent study projects. I am passionate about developing reliable, scalable software and applying advanced computing concepts to real-world problems.

SKILLS

- C++, C, Python, SQL, Java
- Test Driven Development
- Linux, Operating Systems, Qt
- Quick learning, time management
- Customer support, product organization
- Conflict resolution
- Corporate-level communication

AWARDS

- Dean's List
- Presidential Scholar Fall 2024, Spring 2025

VOLUNTEERING

Volunteering at Youth Track and Field meets and local road race events

REFERENCES

Dale Oliver

Chair of CS Department
Cal Poly Humboldt
dro1@humboldt.edu

Dr. Dongcheng Li

CS Assistant Professor
Cal Poly Humboldt
dl313@humboldt.edu

Ben Kovitz

CS Assistant Professor
Cal Poly Humboldt
blk14@humboldt.edu

Dr. Scott Burgess

CS Associate Professor
Cal Poly Humboldt
scott.burgess@humboldt.edu

EDUCATION

Cal Poly Humboldt, Arcata, CA

August 2023 - May 2026

Bachelor of Science: Software Engineering (expected Spring 2026)
3.7 GPA | Men's Cross Country & Track and Field Student Athlete

College of The Redwoods, Eureka CA

August 2021 - May 2023

Associate of Liberal Arts

Men's Cross Country & Track and Field Student Athlete

WORK EXPERIENCE

Target, Eureka CA - Team Member

November 2020 - December 2024

Stocking, In-Store Orders, Cashier, Customer Service

RELEVANT PROJECT EXPERIENCE

Systems Programming Portfolio - C/C++/Python

- Built custom Unix shell in C with command parsing, process management, and I/O redirection
- Built a multi-process communication game utilizing pipes
- Implemented Inchworm Simulation demonstrating threading and semaphore synchronization
- Created a Machine Instruction Disassembler converting hexadecimal input into assembly instruction
- Developed Whack-A-Mole using the curses library

SQL Relational Database - Tutoring Database

- Designed and implemented a relational database in SQL modeling a tutoring system
- Developed entities including Students, Tutors, Faculty and Sessions, each with 10-15 entries and associated subclasses

INDEPENDENT STUDY COURSEWORK

Software Quality Assurance (CS461) - advised by Dr. Dongcheng Li: completed upper-division directed study emphasizing automated testing frameworks, defect detection techniques

Advanced Topics in Computing: Blockchain (CS480) (Spring 2026) - advised by Dr. Dongcheng Li: upper-division directed study in blockchain and smart contracts