

- Python, Excel, Data Analysis and Visualization.
- Engineering design process, Fusion 360, AutoCAD
- Project coordination, workflow support, leadership, debugging, problem analysis

EDUCATION

California Polytechnic State University, San Luis Obispo | Computer Science B.S **September 2025 - Present**

- Building strong technical proficiency in Python, Java, JavaScript, C, C#, and RISC-V Assembly language.
- Developed valuable critical thinking, problem analysis, and debugging skills

PROJECTS

LadderMate – Chess Engine and Analysis Application **August 2026 - Present**

- Built a chess application from scratch with legal move validation, game-state tracking, and special move handling.
- Developed a custom chess engine leveraging deep learning to evaluate board positions and deliver move-by-move feedback, combining AI-driven analysis with personalized learning insights.

SLO Your Soul — Full-Stack Hiking Platform **May 2026**

- Designed a hiking app for users to post, comment, explore locations and complete unique objectives.
- Implements real-time messaging, AI chatbot support, and leaderboard systems.
- Collaborated in a three-person agile team, using rapid development sprints to design, build and iterate on a function software solution.

Stormont Vail Health — Data Analysis **March 2026**

- Analyzed a healthcare dataset of over 14,000,000 unique entries to identify barriers affecting patients' access and outcomes.
- Planned, created and presented a data story with relevant visualisations and actionable findings.

EXPERIENCE

Treobytes | Game Development Facilitator **Summer 2026**

- Developed custom game-development lessons and programming exercises for students
- Wrote and demonstrated code while teaching students to design, build, and debug their own games.

AWS KiroHacks 2026 | Full-Stack Software Developer **May 2026**

- Collaborated on a fast-paced software development team to build and integrate full-stack application features
- Contributed to frontend and backend deployment, using Supabase for database and real-time services and Vercel for deployment.

Franklin Covey Leader-in-Me Summer Internship | Paid Intern **Summer 2024**

- Completed "7 Habits of Highly Effective People" Certification
- Developed and implemented leadership and communication lessons for 20 second-grade students

Gateways Summer School | LEGO Class | Paid Student Aide **Summer 2023**

- Mentored and supervised 20 students on computer programming and structural engineering principles

Boy Scout of America, Troop 11 - San Diego **2012-2025**

- Attained National Eagle Scout rank August 22, 2024 (highest rank in Boy Scouts of America)
- Committed over 1,000+ hours to community service initiatives since first grade, showcasing a lifelong dedication to giving back.

