

Annika Yaworski

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Education

California Polytechnic State University

San Luis Obispo, CA

Bachelor of Science Software Engineering

May 2029

GPA: 3.75

Completed Related Courses: Data Structures, Introduction to Computer Organization, Project-Based Object-Oriented Programming and Design

Projects

CSC 203 Project

San Luis Obispo, CA

Lumberjack Fairy Simulation (*Java*)

January – February 2026

- Developed an object-oriented simulation in Java featuring complex entity interactions and a graphical interface.
- Refactored code to implement design patterns, improving code maintainability, and scalability.

CSC 225 Project

San Luis Obispo, CA

Subroutines (Assembly Language)

January – February 2026

- Implemented low-level string manipulation subroutines (calculate string length, compare strings, etc.) in RISC-V Assembly
- Managed manual memory allocation and register tracking to optimize program execution

Personal Project

Centennial, CO

To do list app (Python)

May – June 2025

- Designed and implemented a desktop GUI application using the Tkinter library to manage daily tasks with a user-friendly interface.
- Engineered logic for task status management, including list updates and task completion marking.

Work and Leadership Experience

Homestead Farm II Barracudas

Centennial, CO

Swim Coach

Summers 2021 - 2024

- Instructed and mentored groups of 30+ children on competitive swimming techniques, tailoring communication styles to ages 13-18 years.
- Coordinated with parents and staff to track athlete progress and organize meet logistics, demonstrating strong organizational and interpersonal skills.
- Promoted from Junior Coach to Head Age Group Coach over three consecutive seasons based on performance and reliability

Private Family

Centennial, CO

Nanny

Summers 2021 - 2025

- Demonstrated extreme reliability and time management by managing daily schedules, educational activities, and transport for 2 children
- Problem-solved independently in a fast-paced environment, handling unexpected challenges and maintaining a structured, productive routine.
- Entrusted with significant responsibility, including household management and the safety of minors, proving a high level of maturity and accountability.

Arapahoe High School

Centennial, CO

NHS Student Leader & Varsity Swim Captain

2021 - 2025

- NHS President: Elected to lead 200 members; coordinated large-scale community initiatives including food drives and veteran outreach.
- Varsity Swim Captain: Elected to lead a team of 75 athletes; set 3 all-time team records (100 fly, 100 back, 200 medley relay).
- Administrative Leadership: Served as NHS VP and Secretary, managing member service hours and official records.
- Time Management: Balanced a 20+ hour/week training schedule with executive leadership and a full class load.

Skills

Computer: Git/GitHub, IntelliJ, PyCharm, Unix/Linux, Gemini, Copilot, Chat GPT

Language: Java, Python, RARS-V Assembly

Activities: Member, Alpha Phi Sorority: Participating in chapter events and philanthropic initiatives; member, Women involved in Software and Hardware (WISH): Engaging in professional development and technical networking;