Jess A. Alencaster
jalencas@calpoly.edu | San Luis Obispo, CA

EDUCATION

California Polytechnic State University, San Luis Obispo, CA

B.S. in Computer Science *Sep 2023 – Jun 2027*

Monterey Trail High School, Elk Grove, CA

High School Diploma *May 2023*

GPA: 4.5/4.0 | State Seal of Biliteracy (Spanish)

WORK EXPERIENCE

Gastroenterology / Admin Support Services Intern *Jun 2023 – Aug 2023*

Kaiser Permanente

- Researched and developed a mock deep learning algorithm (90% accuracy) on capsule endoscopy images using TensorFlow for gastrointestinal abnormality detection
- Designed 4 interactive Tableau visualizations and data dashboards for facility's eConsults program, showcasing average time between appointment initiation and scheduling using calculation fields and custom SQL queries
- Restructured the 200+ page long onboarding binder for RN/LVNs into two separate binders, enhancing accessibility to specific competencies.
- Updated informational references, such as a refund process guide for cashier receptionists, streamlining 10 procedures for handling customer refunds

EXTRACIRCUCULARS AND COMMUNITY SERVICE

President, **Design and Technology Academy (DATA)** *Aug 2019 – May 2023*

3-year comprehensive project-based high school academy; prepares students for Computer Science & Engineering careers.

- Leadership: Delegated and oversaw committee tasks, ran monthly meetings, planned 50+ yearly events in coordination 50 student leaders for the 300+ student academy. Ran an academy fundraiser with over $1,000 profit. Previous Director of Communications: Coordinated and attended 25+ community service events. Ran DATA's social media.

President, **DATA Cybersecurity** *Aug 2019 – May 2023*

An exclusive club to DATA students that supplies fundamental knowledge of cybersecurity topics.

- Leadership: Developed 25+ NetAcad, Linux (Ubuntu), and Windows Server 2019 lectures, created interactive scoring systems via virtual machines, facilitated group activities inside and outside club hours. Actively worked with academy coordinators and student leaders to set up teams, competitions, and curricula.
- Competed in a team of six since freshman year. Advanced to finals every year in 6-hour CyberPatriot competitions, Mayors Cup, and CyberStart America

PROEFSSIONAL CERTIFICATES AND HONORS

GIAC Foundational Cybersecurity Technologies Certification

SANS Technology Institute | SANS SEC275 | Analyst ID: 212838 *Oct 2022 – Oct 2026*

- Areas Covered: Cloud, Data storage, Exploitation & Mitigation, IT Fundamentals, Linux, Logic & Programming

Alan Paller Honor Scholarship *Oct 2022*

National Cyber Scholarship Foundation

- CyberStart America—99th percentile among 45,962 competitors; earned a top score on the GFACT certification exam—part of only 42 recipients in California nationwide

First Place Cal Poly International Space Grand Challenge *Oct 2022*

- Skills recognized: Indicators of attack (IOA), Logic Bombs, Cloud-Based Computing, Domain Generation Algorithm (DGA), National Cybersecurity Workforce Framework (NICE), Wireshark & PCAP Analysis, AutoRuns