

CHRISTOPHER YOEURNING

(626)200-7273 | cyoeurng@calpoly.edu

EDUCATION

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

Bachelor of Science in Computer Science
CS GPA: 3.93/4.0; 6x Dean's List

San Luis Obispo, CA
Expected June 2026

WORK EXPERIENCE

AMAZON - LAST MILE ASSOCIATE EXPERIENCE

Bellevue, WA

Software Development Engineer Intern

Jun 2024 – Sep 2024

- Created a real-time feedback service that gamifies the stowing of packages and shows progress on historical stow rate by querying elastic search clusters and enriching that with shift plan data, causing 17% packages-per-hour increase during pilot.
- Designed and developed a progressive web app in Android that uses speech recognition and LLM-based classification to report safety concerns from associates to management across 80,000+ delivery stations.

AMAZON WEB SERVICES | DX HUB - CALFIRE

San Luis Obispo, CA

Software Development Engineer Intern

Jan 2024 – Jun 2024

- Created a PoC for an Alexa skill that alerts users of nearby fires using the experimental Proactive Notifications API.
- Developed in partnership with the CA Department of Forestry and Fire Protection, driving a \$40k/yr migration to AWS.

AMAZON - LAST MILE MANAGER EXPERIENCE

Bellevue, WA

Software Development Engineer Intern

Jun 2023 – Sep 2023

- Automated feature deployment by migrating our largest service to AWS AppConfig, creating a CRUD API for configuration retrieval, and abstracting that into a website for PMs, saving \$84k+ per year.
- Developed the foundation for a fraud detection model by refactoring and standardizing event/BI metric emissions across 1100+ Delivery Stations internationally, driving \$220k+ per year in reductions.

ACTIONABLE.CO - RECOMMENDATION ENGINES

Toronto, ON

Data Science Intern

Jun 2021 – Sep 2021

- Designed a recommendation engine that uses a feed-forward artificial neural network to study and predict the effect of consultant actions on corporate productivity across 14 metric planes.
- Architected a proprietary algorithm that uses the neural network I trained to simulate a series of possible consultant actions, returning the top 10 best actions in order of highest impact-to-effort ratio.

PROJECTS

ML & NETWORK SECURITY RESEARCH

Apr 2024 - Jun 2024

- Researched and wrote a paper on the effectiveness of a white box GAN-inspired spatiotemporal adversarial example attack on ML-based Network Intrusion Detection Systems under the guidance of D. Fang, Ph.D, nearly doubling spoof-rate.
- Python, PyTorch, Latex

DRIP BY DROP - FOUNTAIN FINDER

Oct 2023 - Feb 2024

- A couple of friends and I created a fountain-finding app to help users find, review, and navigate to the nearest drinking fountains in Rome.
- React Native, AWS S3

TECHNICAL SKILLS

Languages: Python, C, ARM Assembly, SQL, Java, JavaScript, TypeScript

Technical Skills: AWS Cloud(CDK, APIGW, DDB, AppConfig, IAM, Lambda, S3, Bedrock, Alexa Skills Kit), Object-Oriented Programming (OOP), React, React Native, Tensorflow Keras, Pycryptodome, Inventor CAD, Git

Relevant Coursework: Networks, Parallel, & Distributed Computing; Databases; Machine Learning in Cybersecurity; OOP; Autonomous Mobile Robotics; Computer Architecture; Algorithms; Operating Systems; Artificial Intelligence; Speech & Language Processing; Computer Security; Software Engineering; Computer Vision; Vector Analysis