

# JOSH KORNGIEBEL

## SUMMARY

---

I am a passionate Software Engineer at Cal Poly SLO studying mathematics and computer science. I have 3 years of software industry experience developing skills in modern, full stack software development, and have an excitement for the evolving world of AI and Machine Learning.

## EXPERIENCE

---

**PulsePoint Foundation - Software Engineer Intern** Apr 2020 – Sep 2023  
Pleasanton, CA

Worked for the PulsePoint Foundation the last 3 summers and gained hands-on experience with modern, full-stack, AWS software development .

- Developed full-scale React Apps using AWS S3, CloudFront, and Route 53
- Leveraged React Google Maps API to display maps and map elements
- Built scalable, RESTful back-end services with AWS Lambda, API Gateway, S3, DynamoDB and Quicksight
- Used AWS Cloud Development Kit to deploy back-end services and their required resources to AWS
- Developed interactive components enabling users to send feedback using AWS Lambda and SNS
- Leveraged AWS Cognito to authenticate users across applications
- Indexed a DynamoDB table for efficient data lookups with real-time Geohashing and Geofencing

**Roughin' It Day Camp - Group Counselor** Jun 2022 – Aug 2023  
Lafayette, CA

- Led a group of 2<sup>nd</sup> and 3<sup>rd</sup> grade campers through daily activities and team building games
- Maintained discipline among campers through positive reinforcement and individualized oversight of behaviors and interactions

**Professional Development - Artificial Intelligence** Jul 2023 – Sep 2023

Undertook a professional development project to achieve a deeper understanding of Generative AI, focusing on Large Language Models (LLMs). Explored a project involving an LLM querying an extensive, private dataset through Langchain – utilizing its chat interface to construct a personalized university class schedule.

## EDUCATION

---

**California Polytechnic State University** Aug 2020 – Jun 2025  
San Luis Obispo, CA  
Bachelor of Science in Mathematics and Bachelor of Science in Computer Science.  
GPA: 3.6

## CONTACT

---

(925)-998-5084  
josh.korngiebel@gmail.com  
linkedin.com/in/josh-korngiebel

## SKILLS

---

### AI / ML Skills

OpenAI API  
Langchain  
PyTorch  
Hugging Face

### Languages and Frameworks

Python  
Javascript + Typescript  
React.js  
HTML  
Java  
C#  
SQL

### Amazon Web Services

Lambda  
DynamoDB  
S3  
API Gateway  
SNS  
CloudFormation  
CDK  
Cloudfront  
IAM + Cognito

## CLUBS & ACTIVITIES

---

Cal Poly Computer Science and Artificial Intelligence Club (CSAI)  
Math Tutor - 5 Years  
Youth Soccer Coach  
Kids against Hunger Volunteer