Emily Lam

Danville, CA
(925) 683-4388
emilychilam@gmail.com

LinkedIn | Github | Website

WORK EXPERIENCE _____

Lawrence Livermore National Laboratory, Livermore – *Software Engineering Intern*

JUNE 2024 - NOW

- Used AWS Cloudformation, Lambda, SQS, and more within an event driven architecture to enhance functionality of an email microservice, while implementing a least privilege policy to improve security
- Designed and deployed a CI/CD pipeline in Azure DevOps, enabling automatic deployment across multiple AWS accounts and environments, and the execution of unit tests
- Created unit tests to validate Lambda function performance and reliability
- Collaborated with team to build an additional feature to an application; used Angular to build the front end
- Developed a REST API using FastAPI and AWS API Gateway, with authentication via a Lambda authorizer.
- Selected as a top presenter out of 66 intern participants for a technical presentation on the above feature

Baskin School of Engineering, Santa Cruz – *Tutor*

SEPT 2023 - NOW

- Used analogies and visual aids to explain concepts
- Strengthened problem solving skills by helping students debug code

PROJECTS _____

Discord Bot: PogoBot *(2023)*

github.com/emilyclam/PogoBot

- A discord bot that gives the latest updates on Pokemon Go events. Data scraped from leekduck.com
- Created using Python, Beautiful Soup, RegEx, JSON, discord.py API, PoGo API

Schedule Maker *(2021)*

github.com/emilyclam/ScheduleMaker

- A Chrome extension that helps users manage time by organizing tasks and setting timers
- Created using HTML, CSS, JavaScript, and the Chrome Extensions API

EDUCATION _____

University of California: Santa Cruz, Santa Cruz

SEPT 2022 - JUNE 2026 (EXPECTED)

- B.S. Computer Science
- **Current GPA**: 3.89
- Relevant Courses: Computer Systems and C Programming, Introduction to Data Structures and Algorithms, Machine Learning Basics

SKILLS _____

AWS, Python, Java, C/C++, RegEx, Git, Linux, JS/TS, HTML, CSS, Angular, Azure Devops, CI/CD, Confluence