

Eugene Lo

Software Engineer

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EDUCATION

University of California, Los Angeles

B.S. in Computer Science

GPA: 3.94/4.00 · Expected June 2022

Professional Organizations: ACM at UCLA (President),
Creative Labs (Project Lead)

Relevant Coursework: Databases, Web Applications,
Operating Systems, Programming Languages, Algorithms,
Quantum Computing, Machine Learning, AI

PROFESSIONAL EXPERIENCE

Amazon

• Software Development Engineer Intern

June 2021 - Present · Seattle, WA (Hybrid)

- Implemented keyword blocklist tool to filter irrelevant search recommendations using AWS CDK and Java
- Established AWS infrastructure for Amazon search query data analysis using AWS Glue, Lambda, and DynamoDB
- Working on frontend data dashboard (details to come)

• Software Development Engineer Intern

July 2020 - Sept. 2020 · Seattle, WA (Virtual)

- Helped launch **Climate Pledge Friendly**, Amazon's sustainability flagship goal project, in the US
- Developed internal admin tool page using React, Java, AWS Lambda, and AWS DynamoDB
- Automated big data processing on terabytes of data for new backend using scheduled batch SQL queries
- Performed real-time filtering/processing using AWS Kinesis stream, Lambda, and DynamoDB

Hack - ACM at UCLA

• President

Mar. 2021 - Present

- Managed 3 events averaging 20-75 participants, including **learn.py** and **JavaScript Chats**
- Garnered international recognition for **Hack Kitchen**, our puzzle hunt-based event
- Increased cross-university collaboration with the Hack committee from ACM at UCSD

• Committee Officer

Dec. 2019 - Mar. 2021

- Directed **Hack Sprint**, an interactive mobile development workshop series through React Native
- Developed curriculum for **Hackschool**, an initiative to teach web development to 500+ students
- Directed **Passion Talks**, independent workshops showcasing creative applications of CS
- Organized 200+ member hackathon (**Hack on the Hill**) and taught its iOS and API hackathon workshops

PROJECTS

Good Fridge - Creative Labs

Mar. 2020 - Dec. 2020

- Co-led 10-member project for an iOS app promoting ethical eating (**App Store link**)
- Implemented app logic and views using Swift, UIKit, and MVC design pattern
- Defined and used RESTful API with Flask server and Alamofire HTTP library
- Implemented user authentication and persistence with Firebase and Firestore

Vibe

Mar. 2020

- Presented user's music preferences on Spotify using Swift and UIKit
- Parsed music data from Spotify Web API
- Implemented user login/registration with Firebase SDK

IDEAHacks Website

July 2019

- Developed website for IDEAHacks, UCLA's hardware-based hackathon
- Implemented hardware reservation and team creation logic using jQuery
- Designed MongoDB database schemas to store user, team, and parts data
- Created responsive frontend pages using Vue.js framework

SKILLS

Programming

JavaScript

Swift

Python

Java

C++

HTML/CSS

Technology

UIKit

React

React Native

AWS

Firebase

Node.js/Express

PostgreSQL

MongoDB

HONORS & AWARDS

Upsilon Pi Epsilon Honor Society	2019
Tau Beta Pi Honor Society	2019
National Merit Finalist	2018
Raytheon Management Scholarship	2018