

# 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 blacklist 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