

Moses Lee

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EDUCATION

University of Southern California, Viterbi School of Engineering

Los Angeles, CA

Bachelor of Science in Computer Science, Magna Cum Laude 3.8 GPA

Class of 2022

Relevant Coursework: Data Structures, Discrete Math, Algorithms, Software Engineering, Network Security, Internetworking, AI, Machine Learning, Video Game Programming, Computer Systems, Operating Systems

PROFESSIONAL EXPERIENCE

Courtyard.io - Y Combinator (W22)

Remote

Software Engineer

Feb. 2022 - Present

- Develop and continually manage an online collectibles marketplace hosting assets valued over \$1M, leveraging Next.js for development, Recoil for state management, and Cypress for thorough E2E testing.
- Build production-ready solutions with the Golang Fiber framework, containerized with Docker, and deployed at scale on GCP Cloud Run via Terraform.
- Spearheaded a standalone React marketplace that sold out all of its 800 collectibles and generated \$400k in revenue on a single day.

Snap Inc.

Santa Monica, CA

Software Engineer Intern - AR Business

May 2022 - Aug. 2022

- Designed and implemented a React component to accommodate complex data structures in the AR asset upload pipeline. Delivered the project 1 week before the deadline.
- Implemented Golang HTTP middleware for outgoing context and added a testing suite with the httptest package.
- Collaborated with AR engineers to create a new Snap AR asset on Lens Studio.

Amazon

Seattle, WA

Software Development Engineer Intern - Alexa AI

May. 2021 - Aug. 2021

- Developed an internal node/edge editing tool for Alexa AI's offline summarization pipeline using React Flow.
- Delivered project 2 weeks ahead of the deadline and accomplished major stretch goals.
- Effectively communicated with the Alexa AI R&D team to continuously adjust requirements.

Genie

Los Gatos, CA

Co-Founder / Lead Mobile Developer

June 2020 - June 2022

- Scaled a startup to pre-seed stage while leading development for iOS and Android.
- Designed MVVM mobile app architecture and proper networking protocols using Retrofit and Alamofire.
- Accelerated app launch 3 weeks ahead of schedule.

Troy Labs

Los Angeles, CA

Lead Engineering Consultant

Sept. 2020 - Dec. 2021

- Developed API endpoints using Flask deployed on Heroku to serve USC's Demo Day website for over 500 users.
- Parsed and imported thousands of internal data points from Excel into a MYSQL database using Python scripts.
- Provided SEO analysis for startup executives in Scale consulting.

PROJECTS AND AWARDS

HackSC (USC) 1st out of 440 for Equity - TextNet

Feb. 2020

- Created a webhook for Twilio on GCP to receive and respond to text messages from users.
- Presented application at USC's Demo Day, organized by USC's startup ecosystem, with 58 other startups.

SDHacks (UCSD) 1st out of 430 for Sustainability - EcoEat

Oct. 2019

- Deployed an API using Flask on Heroku that processed food images for classification with Clarafai.

BiteFind

Jan. 2018

- Developed and launched an Android app using Yelp API, Retrofit, and Butter Knife.
- Garnered over 500 users and was recognized by Uptodown blog as one of "Top 10 Android Apps of the Month."

SKILLS AND TOOLS

Languages: Typescript/JavaScript, Python, Golang, C++/C, Java, HTML/CSS.

Frameworks and Tools: React, Next.js, Cypress, Jest, Node.js, Fiber, Terraform, PostgreSQL, GraphQL, Android, iOS, Flask, MYSQL, AWS, Google Cloud, Docker.

Interests: Entrepreneurship, machine learning, travel, philosophy, architecture, snowboarding, watches.