
EDUCATION

University of California, Los Angeles

Academic Major: Computer Science, BS

Los Angeles, CA

Cumulative GPA / Major GPA: 3.5/3.8

SUMMARY OF SKILLS (IN ORDER OF PROFICIENCY)

- *Programming Languages:* C++, Python, JavaScript, Java, C, C#, Ruby
- *Other Skills:* Git, Linux, HTML/CSS, Node.js, SQL, AWS Lambda, AWS Elastic Beanstalk, Docker, Ruby on Rails, Tsung, React.js, Unity API
- *Completed Coursework:* Data Structures, Machine Learning, Data Science, Scalable Internet Services, Computer Networks, Programming Languages, Database Systems, Operating Systems
- *In Progress Coursework:* Algorithms and Complexity, Web Applications

PROFESSIONAL EXPERIENCE

Planetary Gaming

Jan 2019 - Jun 2019

Unity Development Intern

Los Angeles, CA

- Collaborated with small team and discussed design concepts to develop an AR, endless-runner game, named NovaSnake
- Wrote C# scripts and utilized persistent storage provided by the Unity API to implement a diary feature

PROJECTS

Incognito

Sep 2019 - Dec 2019

Scalable Internet Services Project

UCLA

- Built a Ruby on Rails web application that serves as an anonymous forum for college students
- Developed a RESTful API for managing backend database models, such as users, sessions, posts
- Implemented scaling techniques including vertical and horizontal scaling, client and server-side caching, database indexing, threads and processes optimizations
- Deployed on AWS Elastic Beanstalk and load tested by writing Tsung scripts that simulate user interactions, such as visiting pages, making and deleting posts, logging in and out, by sending requests to the application server

StudyB

Jan 2020 - Present

DevX Project

UCLA

- Developed and maintained the backend serverless architecture for StudyB, a mobile application that allows UCLA students to browse available study rooms on campus
- Refactored the code of a web-scraper, written using Node.js and the async module, so that it is suitable for AWS Lambda
- Configured AWS Lambda so that the web-scraper is run once every quarter

TuneSearch

Apr 2019

Database Systems Project

UCLA

- Implemented the backend of a Python web application that searches a PostgreSQL database of songs for the best matching lyrics using their TF-IDF scores
- Wrote injection-protected SQL queries to acquire the desired search results
- Implemented pagination using materialized views in the database to store intermediary results in cache

ACTIVITIES

Learning Assistant

Jan 2020 - Present

Campus Program

UCLA

- Facilitated learning and collaboration in the classroom by explaining concepts, answering questions and debugging programs in an introductory computer science course - data structures and algorithms

DevX

Jan 2020 - Present

Student Organization

UCLA

- Developing web and mobile applications to solve real-world problems experienced by UCLA students
- Served as a backend developer for a team named StudyB (see above)