Michael Luu

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EDUCATION

University Of California, Irvine Irvine, CA

Bachelor's of Science, Computer Science *August 2019 – June 2022*

- GPA: 3.67/4.00

EXPERIENCE

Software Developer Engineer July 2022 — January 2023

Amazon *Seattle, WA*

- Designed and implemented memory caching for internal website data, reducing the applications load time by 50% when refreshing.
- Developed a media ingestion micro service utilizing AWS tools such as Comprehend, DynamoDB, and Athena, to gather, process, and store news feed items.
- Designed full stack web features utilizing GraphQL, Apollo, and React for an internal website providing news information and reports to users.
- Communicated with various engineering teams to optimize workflows and troubleshoot areas within our system.
- Tested web and client-server applications with unit tests of 100% coverage to provide scalable and maintainable code.

Software Engineer Intern July 2021 — June 2022

Givsum *Newport Beach, CA*

- Conducted webpage overhauls to include dynamic views throughout the platform, utilizing Ruby, Ruby on Rails, and Javascript.
- Collaborated with customers to receive feature requests, obtain feedback, and refine website details.
- Utilized PostegreSQL database to maintain associations and models and performed database migrations for application requirements.
- Added features and maintained code functionality, completing over 30% of the ticket backlog for the company website.

Software Engineer July 2021 — September 2021

Recreate Energy *Irvine, CA*

- Identified the scope of the project, potential issues, and priorities of the website by creating a requirement document for the sponsor.
- Designed and developed the back end of the website using Python's Flask web framework and created several endpoints to access MySQL database.

PROJECTS

Fabflix | *Java, JavaScript, Spring Boot, Maven, React, MySql* March 2021 — June 2021

- Developed a REST API with Spring Boot in which customers can browse or search for movies by various criteria, select movies they would want to buy, and purchase them online via credit card.
- Wrote Flexible queries which accepted a variable amount of search paramters.

UCI ICS Web Crawler/Search Engine | *Python* February 2021 — March 2021

- Designed and developed a web crawler capable of gathering text and links through a web pages' HTML.
- Wrote a search engine from the ground up that is capable of handling 2000 documents or Web pages which utilizes pointers in memory and indexing resulting in an average search time of 0.3 and a relevancy score of 90% when given a query.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, Ruby, HTML/CSS
Frameworks and Databases: React, NodeJS, Ruby on Rails, MySQL, PostgreSQL, JUnit
Developer Tools: Git, Postman, AWS (Athena, S3, DynamoDB, Lambda, CloudWatch, Glue, Comprehend), GraphQL