Jack Lee

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EDUCATION

University of California, Irvine Irvine, CA

B.S. Computer Science; GPA: 3.61 *Sept 2021 – June 2025*

EXPERIENCE

Google June 2024 – Sept 2024

Software Engineer Intern *Sunnyvale, CA*

- In Google's Data Center Execution and Health team responsible for maintaining/deploying data center systems, specifically, developed a monitoring interface displaying cooling device telemetry across all Google data centers.
- Developed a comprehensive design document outlining full-stack architecture and executed project using Angular, Java, and internal API/database tooling

June 2023 – Sept 2023

STEP Intern *Mountain View, CA*

- In Google's Ads traffic quality team responsible for protecting Google ad quality from fraud and abuse, specifically, developed a red team traffic experiment management system
- Created feature-specific design documents outlining mock-ups/design justification and implemented front end features using Angular and internal API tooling

June 2022 – Sept 2022

STEP Intern *San Francisco, CA*

- In Google's Core Developer Web Org responsible for libraries, tools and infrastructure for building Google applications including the web protocol buffer implementation (protobuf-javascript is its external fork)
- Developed a reflection interface for internal javascript protobufs from a design, in collaboration with another intern and Google SWEs using TypeScript

PROJECTS

FabFlix | *MySQL, Java, JavaScript, HTML, CSS, Git, AWS* April 2024 – June 2024

- Engineered a Full-Stack movie browsing application containing 100k+ movies and actors with connection/password encryption, account authentication, <1s search auto-complete functionality, multi-page navigation, result sorting/pagination, and load-balancing
- Utilized AWS for hosting with MySQL database, Java Back End, and JavaScript/HTML/CSS

ICS Search Engine | *Python* April 2023 – June 2023

- Developed a web page search engine in Python using query tokenizing and TF-IDF scores for ranking
- Created Streamlit interface returning the top 10 results from a multi-word query in <2 seconds

RELATED EXPERIENCE

University of California, Irvine: Student Housing Sept 2023 – June 2024

Resident Advisor *Irvine, CA*

- Fostered a supportive, inclusive, and academically successful environment for 128 residents.
- Provided on-call crisis management, emergency response, and organized 4+ quarterly programs to create a welcoming space for residents from diverse backgrounds.

Design At UCI April 2023 – June 2023

Project Teams Designer *Irvine, CA*

- Collaborated with peers to design, develop, and analyze user data for a food recommendation app using Figma
- Gathered/Analyzed user data from a targeted demographic of 50 people and translated UX survey feedback into design improvements

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, TypeScript, HTML, CSS
Technologies: Angular, React, Figma, gRPC, MySQL, AWS, Firebase, Linux
Skills: Full-stack Development, Design Documentation, UX/UI