JIALIN LI

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EDUCATION

University of California, Santa Cruz

Bachelor of Science in Computer Science   *Sep 2019 - June 2023*

- **Relevant courses:** Data Structures and Algorithms, Programming Abstractions in Python, Algorithm Analysis, Computer Architecture, Principle of Computer Systems Design, Full Stack Web Development, Internet and Computer Security, Mobile App Development

TECHNICAL SKILLS

Programming Languages:

- Javascript, C/C++, Python, Haskell, Typescript, Kotlin, Swift, React Native, HTML, CSS

Software & Tools:

- Git Bash, Vim, LaTeX, Visual Studio, Ubuntu, Microsoft Office, Docker

Frameworks:

- React, Angular, MySQL, PostgreSQL, TypeGraphQL, Jest

Languages: English and Mandarin (both Native level)

PROJECTS

Multithreaded HTTP Server

- Written in C. Implemented an HTTP server that handles multiple requests simultaneously and logs errors.

Basic Email

- built a server with Express to facilitate REST API communication, authenticate user logins/signups, and display email contents and functionalities. Full stack, single-page React application. Tech stack: Javascript, OpenAPI, React/Material UI, PostgreSQL, Express, Node.js, Jest, Docker.

Mimic Facebook Marketplace

- worked with a team to create a shopping website featuring user authentication (login/signup functionality and keep track for user permissions), cart management, categorized item displays, advanced item filtering, and search capabilities. Implemented user-buyer communication and buyer features, allowing them to upload and edit item information. Employed microservices architecture to separate user and admin functionalities, and containerized the entire project for streamlined deployment. Tech stack: React/ Material UI, Next.js, GraphQL, TypeGraphQL, Docker, PostgreSQL, NextAuth.

Mimic Slack

- built a message communication app featuring user authentication, displaying multi-layer views, allowing users to perform message edit actions. Tech Stack: developed the same app in Android Kotlin, iOS Swift, and React Native.