Justin He

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Education

University of California, Los Angeles (UCLA)   *Los Angeles, CA*

B.S. IN COMPUTER SCIENCE, GPA: 4.0   *Expected Jun. 2023*

- Coursework: Data Structures & Algorithms, Computer Organization, Software Construction, Linear Algebra, Discrete Structures
- Activities: Creative Labs, ACM

Experience

Fwaygo   *Los Angeles, CA*

SOFTWARE ENGINEER   *Jun. 2021 - Sep. 2021*

- Designed and developed server microservices in Go for user/song metrics and data processing and server-to-client messaging.
- Implemented client-side metrics tracking, message feed, and account management.
- Technologies: Go, GraphQL, RabbitMQ, Firebase, AWS, Typescript, React Native

NurLabs   *Los Angeles, CA*

SOFTWARE DEVELOPER   *Apr. 2021 - Jun. 2021*

- Collaborated with UCLA researchers to develop a script using Bash and Python for mass extracting data from Raman Spectroscopy .WDF output files to train a machine learning lung cancer detection model.
- Decreased data extraction process from over 30 minutes to under a second.

WeChews   *Los Angeles, CA*

SOFTWARE DEVELOPER   *Sep. 2020 - Apr. 2021*

- Collaborated with a team of 10 students to build a React Native app that matches users with restaurants to eat at via a Tinder-like swiping flow.
- Implemented back-end image uploading and notification sending using AWS S3 and FCM integrated with PostgreSQL and Node/Express .

Projects

Roblox Reviews

WEBSITE

- Designed and developed a full stack React app offering game review services for over 3,000 users.
- Built APIs for review posting & querying, liking/reporting, and full text game searching using Python and Google Cloud Functions.
- Utilized Beautiful Soup to automatatically scrape Roblox pages for game metadata to store in a MySQL database.
- Published an extension to Chrome store adding an interactive rating interface to roblox.com with statistics from the Roblox Reviews fan database

Note Global

WEBSITE

- Led a team of 4 students to create a React app for UCLA students to find and share course notes. Submitted to LA Hacks 2021.
- Implemented a PDF viewer interface in React and serverless uploading utilizing Realtime Database and Base64 encoded PDFs.

Skills

Programming Languages	Go, C++, Python, JavaScript/TypeScript, Java, Bash, C, SQL
Technologies	React, Node, Express, Firebase, GraphQL, PyTorch
Languages	English, Chinese, Spanish