

# 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 distributed microservices in Go for user/song data processing, report handling, and server-to-client messaging.
- Leveraged Firebase and GraphQL to implement client-side metrics tracking, message receiving, 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.
- Accelerated data extraction speed from 2 minutes per document to less than one second overall.
- Worked with UCLA Anderson students to implement a server for receiving and storing client data using PostgreSQL, Heroku, and Node.

### 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 automatically 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