

IAN CHANG

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SKILLS

Languages: JavaScript, Python, TypeScript, Swift
Technologies: React, PostgreSQL, Node.js, Express.js, Sencha, Flask, Redux, Jest, Next.js, GatsbyJS, Redis, AWS Lambda, Docker, CircleCI, Apache Beam, Apache Airflow

PROFESSIONAL EXPERIENCE

Dropoff – Software Engineer Oct 2021 – Jan 2023

- Developed a geofencing feature to ensure deliveries are picked up and dropped off at their proper locations.
- Updated the company's REST API to cease and prevent leakage of private data to the clients.
- Created a barcode reporting feature resulting in a 40% boost in a team's efficiency.

PROJECTS

Face Detection Web App: <https://face-finder-enchangcs.herokuapp.com> Aug 2021

- Utilized React, Node.js, Express.js, PostgreSQL, and AWS Lambda to create a full-stack single page application that detects faces via Clarifai's Machine Learning Face Detection Model.
- Applied standard security measures using bcrypt.js to encrypt valuable user data.
- Implemented session management through JSON Web Tokens and Redis to create a more convenient user experience.

Metronome iOS App: <https://github.com/en-chang/iOS-Metronome> May 2020

- Designed and developed an iOS application that would create a metronome playlist for musicians.
- Utilized GetSongbpm API to search for song data and AudioKit to fully customize metronome audio.

IMDb Data Modeling: <https://github.com/en-chang/imdb-data> May 2020

- Led university project, teaching software development processes, git flow, and general best practices.
- Performed transformations on IMDb data to meet normalized standards via Apache Beam and Airflow.
- Created data visualizations and performed cross-dataset queries with a secondary dataset, Bollywood DB.

Robot Search Web App: <https://en-chang.github.io/robofriends> Aug 2021

- Experimented with Jest and CircleCI to practice real-world development production processes.
- Leveraged Redux to handle an intermediate application's state flow system.

EDUCATION

The University of Texas at Austin - Bachelor of Science degree in Communication Studies May 2020

- **Certificate:** Elements of Computing
- Minor: Korean Language

ADDITIONAL INFORMATION

LinkedIn: <https://www.linkedin.com/in/en-chang>

Software: Basic Figma, Logic Pro X, Adobe Premiere Pro, Adobe Animate, Basic Adobe Photoshop

Hobbies: Calisthenics, Watching Basketball, Music Composition, Audio Editing, Video Editing, Basic Animation