Chih Yu Lee

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Brief Bio

I love learning new things, and I don't set boundaries on myself. Finding problems and coming up with solutions are deeply rooted in my mind. I came to the United States from Taiwan 3 years ago. At that time, I had little to no experience in programing and software development. Now I have experienced with Web development, data processing, Database, AI algorithm, Mobile app development, Cloud, Financial technology, and problem-solving mindset.

Education

M.S in Software Engineering, GPA: 3.97, Stevens Institute of Technology, New Jersey, US
Jan 2019 - Dec 2020

B.S. in Electrical Engineering, National Yunlin University of Science and Technology, Taiwan
Sep 2012 - Jan 2017

Experience

Founder & Software Engineer @ HYGRT, Jersey City, NJ   Mar 2021 - Present

Developed Flutter (Dart language) mobile app in Bloc pattern architecture (easy for testing). The app runs on Android and iOS platform. Designed UI/UX, and deployed and integrated backend APIs (Node.js) on Firebase Cloud Function. Integrated Firebase NoSQL database, Firestore, Realtime database and Storage, based on Use Cases and Functionality. Integrated third-party API (Stripe as payment solution). Used CodeMagic for CI/CD, and used Git for version control.

Achievements
- Switch account between Customer and Artist
- Realtime Chat
- Realtime Geolocation tracking
- Realtime Send & Receive service request
- Profile & Portfolio storage
- Handle Stripe customer and connect account

Project Work and Volunteer

Training Neural Network Model   Feb - Apr 2021

Used Python with NumPy and Pandas library to process data, and used TensorFlow to train self-defined layers model.

Snapfit Web App   Sep – Dec 2020

Lead web app project in Agile development method. Responsible for UI/UX design and used React for frontend and styling with Bootstrap and CSS. Created reusable components. Used React hook for state management. Used Firebase for user authentication. Used MongoDB as database.

Research Volunteer   May – July 2019

Participated in Stevens Software Engineering Department Professor Ye Yang's research project. Worked on UI/UX design for a healthcare mobile app for diabetic patients.

Skills

Software: React, Node.js, Next.js, Flutter, Firebase, Stripe, GitHub
Languages: Python, JavaScript, Dart
Certification: Neural Networks and Deep Learning, TensorFlow for AI, Generative Adversarial Networks and Convolutional Neural Networks