




YUN-CHI PANG

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EDUCATION

Northeastern University, Khoury College of Computer Sciences	San Jose, CA
<i>Master of Science, Computer Science GPA 4.0</i>	Sep 2022—Dec 2024 Expected
The Chinese University of Hong Kong	Hong Kong
<i>Bachelor of Business Administration, Business Analytics & Quantitative Marketing</i>	Sep 2017—Dec 2021

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C, Swift, HTML, CSS
Frameworks: Django, Flask, Node.js, React/React Native, Spring Boot, Scrappy, Selenium
Databases & Tools: MySQL, PostgreSQL, MongoDB, Firebase, Prometheus, Git, AWS, GCP, Docker, Postman

WORK EXPERIENCE

Software Engineer Intern (full-stack)	July 2023—Oct 2023
<i>OurDate</i>	San Francisco, CA (Remote)

- Developed a **Django REST Framework** + **MySQL** backend API, with user authentication using **djoser** and **JWT**, including documentation, resulting in improved security and ease of access for users.
- Created a **React** frontend for the startup's early-stage product, ensuring a smooth authentication flow using contexts and hooks. Enhanced code quality and consistency by implementing **ESLint** & **Prettier**.
- Boosted user engagements by 50% by building an **end-to-end** date plan sharing feature. Designed backend views and established data transmission to frontend routes, enabling sharing via links between partners.
- Integrated **Stripe** for payments and subscriptions. Integrated **Slack API** with **webhooks** to alert channels, and leveraged **Rollbar** for production error logging, leading to an 80% boost in debugging efficiency.
- Demonstrated leadership skills through 6+ weekly **code reviews** on team members' pull requests on **GitHub**. Offered guidance in writing descriptions and tests to facilitate prompt issue resolution and efficient CR.

OPEN SOURCE

Backend Developer	Dec 2023—present
<i>Greenstand, Wallet Microservice</i>	

- Developed the tree tracker wallet API using **Node.js** to enable holding and trading the impact of growing trees.
- Transferred /auth endpoint functionalities and associated tests from **JavaScript** to **TypeScript** in **Node.js**, enhancing code quality & reliability, and contributing to a more maintainable software architecture.
- Integrated **Swagger** with **NestJS**, provide comprehensive API documentation.

PROJECTS

VocaBoost (Vocabulary Learning Mobile App) https://www.vocabularyboost.com/	Apr 2023—May 2023
<i>Co-founder, Backend Developer, Mobile App Developer</i>	

- Built an **Android & iOS app** with **React Native**, **Expo**, **Babel**, and **NativeBase**. Integrated **OAuth 2.0** and **OpenID Connect**, utilized **WebSocket** for real-time updates. Hosted backend on **AWS EC2** with **Docker**, resulting in a versatile, secure, and scalable mobile application.
- Developed an **analytics server** with **Java Spring Boot**, **MongoDB** and **Prometheus** to store app's event history and monitor user behavior. Integrated **Grafana** for real-time data visualization, facilitating informed decision-making based on user behavior and app performance.
- Implemented responsive user interfaces for **5+** devices, enhancing user experience and accessibility. and achieved **1000+ downloads** on App Store, demonstrating the app's popularity and widespread adoption.