YUN-CHI PANG

yunchipang@gmail.com | +1 669-274-6138 | San Jose, CA

 yunchipang | yunchipang | yunchipang.com

EDUCATION

Northeastern University, Khoury College of Computer Sciences   San Jose, CA

Master of Science, Computer Science | GPA 3.945   Sep 2022—Dec 2024 expected

The Chinese University of Hong Kong   Hong Kong

Bachelor of Business Administration, Business Analytics & Quantitative Marketing   Sep 2017—Dec 2021

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C, Bash, HTML, CSS

Frameworks: Django, Flask, React/React Native, Node.js, Spring Boot, Scrapy, Selenium

Databases & Tools: MySQL, PostgreSQL, MongoDB, Firebase, Prometheus, Git, AWS, GCP, Docker

PROFESSIONAL EXPERIENCE

Software Engineer Intern (Full-stack)   Jul 2023—Oct 2023

OurDate   San Francisco, CA (Remote)

- Developed a **Django** REST Framework + **MySQL** backend API, incorporating user authentication with **JWT**.
- Enhanced user accessibility by 90% through improved API documentation via **Postman**, measured by a decrease in user-reported issues and improved feedback.
- Created a **React** frontend for the early-stage product, ensuring a seamless authentication flow through contexts and hooks. Improved code quality and consistency by 20% with **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, connected **Slack API** with webhooks for channel alerts. Utilized **Rollbar** for production error logging. Achieved an 80% boost in debugging efficiency.
- Demonstrated leadership skills through 6+ weekly **code reviews** on team members' pull requests on **GitHub**.
- Collaborated with the rest of the engineering team to help define scope and timelines for potential projects.

OPEN SOURCE

Backend Developer   Dec 2023—present

Greenstand, Wallet Microservices

- Developed the tree tracker wallet API utilizing **Node.js** and **PostgreSQL**, facilitating the holding and trading of the environmental impact of growing trees.
- Transferred /auth endpoint functionalities and associated tests from **JavaScript** to **TypeScript** in **NestJS**, enhancing code quality & reliability, and contributing to a more maintainable software architecture.
- Tested endpoints with **Postman/Insomnia** and integrated **Swagger** for thorough API documentation.

PROJECTS

Co-founder, Full-stack Developer   Apr 2023—May 2023

VocaBoost (Vocabulary Learning App)

- Created 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.**
- Developed an **analytics server** with **Java Spring Boot, MongoDB** and **Prometheus** to store app's event history and monitor user behavior. Integrated **Grafana** for realtime data visualization.
- Implemented responsive user interfaces for **5+** devices, and achieved **1000+ downloads** on App Store.