YUN-CHI PANG

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EDUCATION

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

Master of Science, Computer Science | GPA 4.0   Sep 2022—Dec 2024 Expected

Relevant Coursework: Data Structures & Algorithms; OOP; Operating Systems; Mobile App Development

The Chinese University of Hong Kong   Hong Kong, China

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

WORK EXPERIENCE

Software Engineer Intern, OurDate   July 2023—Present

- Developed a **Django REST Framework** backend API, implementing user authentication with **Djoser** and **JWT**. Configured admin-accessible **ChatGPT** prompts, enabling non-engineers to conduct A/B testing.
- Created a **React**-based frontend UI for the early-stage product, ensuring a smooth authentication flow using contexts and hooks. Enhanced code quality and consistency by implementing **ESLint & Prettier**.
- Built an end-to-end date plan sharing feature, boosting user engagements by 50%. Designed backend views and exposed data to frontend routes to enable date plan sharing via links among partners and friends.
- Connected **Stripe API** for one-time payment & subscriptions. Integrated **Slack API** with webhook to alert channels and log production errors, resulting in an 80% increase in debugging efficiency.
- Conducted 6+ weekly code reviews on team members' PRs, providing crucial support for testing to ensure early issue identification and resolution. Supported the **CI/CD** pipeline on **AWS Beanstalk**.

Data Engineer, Dashmote   Jan 2022—June 2022

- Developed web scrapers using **Scrapy** to extract raw data from 5+ delivery platforms. Processed extensive datasets (1M+ records) using **Python, Pandas, SpiderKeeper, Jupyter Notebook** and **AWS S3**.
- Collaborated with QA team to investigate low-quality data. Identified and resolved issues via **MySQL** and **Amazon Athena** queries. Improved data accuracy by 9% through **Google Places API** experimentations.
- Automated data collection through **AWS S3, ECS, Lambda** and **EventBridge**, boosted efficiency by 90%.

PROJECTS

VocaBoost (vocabulary learning mobile app), *Co-founder, full-stack developer*

- Created an **iOS & Android app** with **React Native, Expo, Babel,** and **NativeBase.** Integrated **OAuth 2.0** and **OpenID Connect**, utilized **WebSocket** for realtime updates. Hosted backend on **AWS EC2** with **Docker.**
- Developed an **analytics server** with **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.

PawPal (pet-focused social media mobile app), *full-stack developer*

- Built an **Android app** using **Java**, integrated **Firebase** for data storage, user auth and realtime messaging.
- Implemented search feature on an interactive map by integrating **Google Maps SDK for Android** and **Google Places API** to access realtime user location, and allow users to discover nearby pet-related services.

SKILLS

Programming Languages: Python, JavaScript, Java, C, HTML, CSS

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

Infrastructure: AWS, GCP, Docker

Database: MySQL, PostgreSQL, MongoDB, Firebase, Prometheus