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; Mobile App Development; Operating Systems

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. Enabled user registration, login, **JWT** authentication and password reset. Connected **Stripe API** for payments, and integrated **Slack API** for prod env error logging.
- Created frontend UI with **React** for early-stage product, and ensured seamless authentication flow with contexts & hooks. Implemented **ESLint & Prettier** to enhance code quality and maintain consistency.
- Performed code reviews on team members' pull requests, conducted testing to identify and address potential issues prior to deployment. Supported **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**.
- Automated data collection through **AWS S3, ECS, Lambda** and **EventBridge**, resulting in a 90% efficiency boost. Improved data accuracy by 9% through **Google Places API** research and experimentation.
- Collaborated with the QA team to investigated low-quality data, identifying & resolving issues via **MySQL** and **Amazon Athena** queries.

Operations Intern, ShopBack Sep 2020—Jul 2021

- Integrated **TUNE Network API** for merchant onboarding, managed **Salesforce** client accounts, executed **SQL** queries for order record retrieval, and performed data manipulations using **Pandas** and **Numpy.**
- Initiated automation projects using **Python, Google Sheets API,** and hosted them on **Google Cloud Platform.** Contributed 1% weekly growth in partner numbers, and reduced support requests by 98%.
- Developed **JavaScript** within **Google Tag Manager** to facilitate merchant integration via tracking pixels. Offered technical consultation to merchants on **Shopify** and conducted tracking tests for quality assurance.

PROJECTS

VocaBoost (vocabulary learning application), *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 application), *Team lead, full-stack developer*

- Built an **Android app** using **Java**, designed database schema, and integrated **Firebase** for data storage, user authentication 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: React, React Native, Node.js, Express, Spring Boot, Django, Flask, Scrapy, Selenium
Infrastructure: AWS, GCP, Docker
Database: MySQL, PostgreSQL, MongoDB, Firebase