YUN-CHI PANG

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EDUCATION

MS in Computer Science

GPA 4.0 / 4.0

Northeastern University

Sep 2022—Dec 2024

Relevant Coursework

- Data Structures
- Algorithms
- Object-Oriented Design
- Mobile App Development
- Operating Systems*

SKILLS

Languages & Frameworks

- Python (Django, Flask)
- JavaScript (React Native, React, Next.js, Node.js, Express)
- Java (Spring Boot)
- C

Databases

- MySQL, PostgreSQL
- MongoDB, Firebase
- Prometheus

Infrastructure

- AWS
- GCP
- Docker

EXPERIENCE

Software Engineer Intern (full-stack) — 2023-present

OurDate — San Francisco, CA (Remote)

- Developed a backend API with **Django REST Framework** and **Djoser** to build an authentication system. Enabled user registration & login, JWT management and password reset. Connected Stripe API for payment.

- Created frontend UI with **React** for early-stage product. Ensured seamless authentication states with contexts & hooks to facilitate productive user interviews with BD managers and UI/UX designers

- Reviewed teammates' PRs, conducted tests to identify issues before deployment. Supported **CI/CD** pipeline maintenance on **AWS Beanstalk**

Software Engineer (Data Acquisition) — 2022

Dashmote — Shanghai, China

- Developed web scrapers based on **Scrapy** to gather raw data from 5+ delivery platforms. Processed large scale datasets of 1M+ records using **Python, Pandas, SpiderKeeper,** and **Jupyter Notebook**

- Utilized **AWS S3, ECS, Lambda** and **EventBridge** to automate data collection & processing, resulting in a 90% increase in time efficiency

- Worked with QA team to investigate low-quality data. Identified & resolved issues using queries against **MySQL** and **Amazon Athena**

Operations Intern — 2020-2021

ShopBack — Taipei, Taiwan

- Integrated network API to assist merchant onboards. Queried records using **SQL** and performed data manipulations using **Pandas & Numpy**

- Built automations with **Python, Google Sheets API** and **GCP**. Achieved 1% weekly growth in partner numbers and 98% drop in support requests

- Constructed **Javascript** in **Google Tag Manager** to support integration via tracking pixels. Provided technical consultation to partners

PROJECTS

VocaBoost (vocabulary learning app) — 2023

- Created an **iOS + Android** app with **React Native, Expo, Babel,** and **Native Base**. Hosted backend on **AWS EC2** with **Docker**

- Developed an analytics server with **Spring Boot, MongoDB** and **Prometheus** to store the app's event history to monitor user behavior. Integrated **Grafana** for realtime data visualization

PawPal (pet-focused social media app) — 2023

- Built an **Android** app using **Java** and designed database schema. Integrated **Firebase** for data storage, user auth and realtime messaging

- Integrated **Google Maps SDK** for Android and **Google Places API** to implement a search feature to access realtime user location. Allowed users to discover nearby pet-related services