

YUN-CHI PANG

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EDUCATION

MS in Computer Science
GPA 4.0 / 4.0
Northeastern University

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

Infrastructure

- AWS
- GCP

EXPERIENCE

Software Engineer Intern (full-stack) — 2023

OurDate

San Francisco, CA (Remote)

- Developed a **Django REST Framework** backend API with **JWT authentication** for user registrations and login. Implement AI service (ChatGPT) prompts configurability at Django admin interface
- Assisted maintaining CI/CD pipeline for apps on **AWS Elastic Beanstalk**

Software Engineer (Data Acquisition team) — 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, resulting in a 90% increase in time efficiency
- Investigated low-quality data, identified 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
- Designed systematic solutions in data collection using **BeautifulSoup** and **Selenium**, supported operations of 20+ merchants
- Constructed **Javascript** in **Google Tag Manager** to support integration via tracking pixels, and provided technical consultation to merchants

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 visualization

PawPal (pet-focused social media app) — 2023

- Built an **Android** app using **Java**, designed database schema, integrated **Firebase** for data storage, user authentication and realtime messaging
- Integrated **Google Maps SDK** for Android and **Google Places API** to implement a search feature to access realtime user location, and allow users to discover nearby pet-related services