

# YUN-CHI PANG



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San Jose, CA

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## EDUCATION

### MS in Computer Science

GPA 4.0 / 4.0

Northeastern University

— 2022-2024

### 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)

— present

#### OurDate

San Francisco, CA (Remote)

- Developed **Django REST Framework** backend API with **JWT authentication** for user registration and login. Created frontend UI with **React**
- Conducted tests to identify and rectify potential 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, resulting in a 90% increase in time efficiency
- Worked with QA to investigate 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. 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