

# Yun-Chi Pang

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## EDUCATION

### Northeastern University, Khoury College of Computer Sciences

San Jose, CA

*Master of Science in Computer Science – GPA 3.958*

*Sep 2022 – May 2025*

Coursework: Data Structures and Algorithms, Object-Oriented Design (Java), Computer Systems (C), Database

Management (Python), Cloud Computing (AWS), Mobile Application Development (Java), Data Mining

## EXPERIENCE

### Software Engineer Intern

Sep 2024 – Present

*Greenstand*

*Remote US*

- Developed a scalable Wallet API with **Node.js** and **PostgreSQL**, enhancing maintainability through a **TypeScript** migration in **NestJS**.
- Led maps platform enhancement project with **Express.js**, **Next.js**, and **Airflow**, cutting load time by 8%.
- Increased reliability by 20% through comprehensive unit and integration tests in **Jest**.
- Automated **CI/CD** with **GitHub Actions** for 120+ engineers, reducing deployment issues by 50%.
- Drove cross-functional collaboration, streamlining code reviews and tracking to speed releases by 13%.

### Software Engineer Intern

Jul 2023 – Oct 2023

*OurDate*

*Remote US*

- Built a **Django REST API** with **MySQL** and **JWT** authentication, improving security and scalability by 25%.
- Boosted user retention and satisfaction by 9% for 100+ active users with an end-to-end plan sharing feature.
- Enhanced API documentation, reducing response times to API-related support tickets by 93%.
- Conducted 6+ weekly code reviews, improving releases and team growth by spotting bugs and providing feedback.

### Data Engineer

Jan 2022 – Jun 2022

*Dashmote, Data Acquisition*

*Shanghai, China*

- Built web scrapers with **Scrapy**, processing 1M+ records using **Python**, boosting data quality by 7%.
- Automated pipelines with **AWS** tools, reducing processing time from 8 hours to under 1 hour.
- Increased data coverage from 89% to 95% by enriching sparse geospatial data with **SQL** and Google Places API.

### Operations Intern

Sep 2020 – Jul 2021

*ShopBack, Merchant Operations*

*Taipei, Taiwan*

- Automated campaign tracking with **Python**, driving 1% partner growth and reducing support requests by 98%.
- Built automated **JavaScript** solutions in GTM, enhancing tracking accuracy and onboarding for 50+ partners.
- Integrated API to streamline merchant onboarding, reducing setup time by 10% and boosting partner satisfaction.

## PROJECTS

### GoodHome (Property Bidding System) | *Django, MySQL, WebSocket, Google Cloud Platform*

Apr 2024

- Designed and built real-time chat with **Django** and **WebSocket**, boosting responsiveness by 17%.
- Led a 4-member team, managing tasks and priorities to ensure timely, high-quality delivery.

### VocaBoost (Vocabulary Learning App) | *React Native, Spring Boot, MongoDB, AWS, Docker*

Apr 2023

- Implemented responsive user interfaces for 5+ devices, and achieved 1000+ downloads on App Store.
- Built a real-time analytics server with **Spring Boot** and **MongoDB**; deployed on **AWS EC2** with **Docker**.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, Java, C, SQL

**Frameworks:** React, Next.js, Node.js, NestJS, Django, FastAPI, Spring Boot, WebSocket, Scrapy, Selenium

**Databases:** MySQL, PostgreSQL, MongoDB, Firebase, Redis, Prometheus

**DevOps:** Git, Docker, AWS, Google Cloud Platform, VS Code, PyCharm, IntelliJ

**Libraries:** pandas, NumPy, Matplotlib