

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), Distributed Systems*

EXPERIENCE

Software Engineer Intern

Sep 2024 – Present

Greenstand

Remote US

- Built a scalable Wallet API with **Node.js** and **PostgreSQL**, enhancing authentication efficiency by 10% via **Keycloak** integration and improving maintainability with 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