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*
- Led maps platform enhancement project with **Express.js**, **Next.js**, and **Airflow**, cutting load time by 8%.
- Built scalable Wallet API in **Node.js**; boosted maintainability by 10% by migrating to **TypeScript** in **NestJS**.
- 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%.
- Increased test coverage to 95% with unit and integration tests in **Jest**, enhancing reliability.

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**, and 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