# 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 3.963* — *Sep 2022 – May 2025*
Relevant Coursework: Discrete Mathematics, Data Structures and Algorithms, Object-Oriented Design (Java),
Computer Systems (C), Database Management (Python, SQL), Cloud Computing (AWS), Machine Learning (Python)

## TECHNICAL SKILLS

**Programming Languages**: Python, JavaScript, TypeScript, Java, C, SQL
**Frameworks**: Node.js, NestJS, Django, FastAPI, Flask, Spring Boot, WebSocket
**Databases**: MySQL, PostgreSQL, MongoDB, Redis
**DevOps**: Git, Docker, Kubernetes, AWS, Google Cloud Platform

## PROFESSIONAL EXPERIENCE

**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* — *Shanghai, China*
- Built data pipelines in **Python** to collect and handle 1M+ records, improving 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* — *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.

## OPEN-SOURCE CONTRIBUTIONS

**Software Engineer** — Dec 2023 – Present
*Greenstand* — *Remote US*
- Automated **CI/CD** with **GitHub Actions** for 120+ engineers, reducing deployment issues by 50%.
- Developed a scalable microservices Wallet API using **Node.js**, **PostgreSQL**, and **Docker**, improving maintainability by 40% through **TypeScript** migration in **NestJS**.
- Increased reliability by 20% through comprehensive unit and integration tests in **Jest**.

## 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**.