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; migrated to TypeScript in NestJS, boosting maintainability by 10%.
- 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*
- Integrated API to streamline merchant onboarding, reducing setup time by 10% and boosting partner satisfaction.
- 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.

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