Yun-Chi Pang

Santa Clara, CA | (669) 274-6138 | yunchipang@gmail.com | github.com/yunchipang | linkedin.com/in/yunchipang

EDUCATION

Northeastern University, Khoury College of Computer Sciences San Jose, CA

M.S. in Computer Science | GPA 3.958 05/2025

Coursework: Data Structures & Algorithms, Object-Oriented Design (Java), Computer Systems (C), Database Management (Python), Cloud Computing (AWS), Mobile Application Development (Java), Distributed Systems

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C, SQL
Frameworks & Libraries: React, Next.js, Node.js, NestJS, Django, FastAPI, Spring Boot, WebSocket, Selenium
Databases: MySQL, PostgreSQL, MongoDB, Firebase, Redis, Prometheus
Cloud & Infrastructure: AWS, Google Cloud Platform, Docker
DevOps & Version Control: Git, GitHub Actions, CI/CD

WORK EXPERIENCE

Software Engineer Intern, Greenstand 09/2024—present

- Led an enhancement project for the maps platform, utilizing Express.js, Next.js, and Airflow to refine geospatial visualizations with dynamic tiles and markers, **reducing page load time by 20%** and improving user engagement.
- Developed scalable microservices for the Wallet API in Node.js and PostgreSQL, ensuring secure transactions for environmental data trading. Migrated code to TypeScript in NestJS, **improving codebase maintainability by 25%**.
- **Increased test coverage to 95%** with unit and integration tests in Jest, reducing bugs by 10%.
- Automated CI/CD pipelines with GitHub Actions, benefiting 120+ engineers and **reducing deployment issues by 5%**.
- Drove cross-functional collaboration across time zones, streamlining code reviews and issue tracking, improving code quality by 15% and **accelerated feature releases by 10%**.

Software Engineer Intern, OurDate 07/2023—10/2023

- Built a Django REST API with MySQL and JWT authentication, **improving security and scalability by 30%**.
- **Boosted user retention and satisfaction by 20%** for 100+ active users with an end-to-end plan sharing feature.
- Enhanced API documentation using Postman, which led to a 20% reduction in user-reported issues and improved the developer onboarding process, reducing response times to API-related support tickets by 15%.
- Led 6+ weekly code reviews, offering feedback and finding bugs, contributing to smoother releases and team growth.

Data Engineer, Dashmote 01/2022—06/2022

- Developed web scrapers using Scrapy, processing 1M+ records from 5+ platforms using Python pandas, NumPy and Jupyter Notebook, **improving data quality and collection efficiency by 15%**.
- Automated data pipelines with AWS S3, ECS, Lambda, and EventBridge, **boosting data processing efficiency by 90%** and enabling seamless integration for large-scale data storage.
- Boosted data coverage from 89% to 95% by investigating sparse latitude and longitude coordinates and enriching them with updated geospatial data using SQL and the Google Places API.

Operations Intern, ShopBack 09/2020—07/2021

- Streamlined merchant onboarding by integrating APIs, cutting setup time 10% and improving partner satisfaction.
- Automated campaign performance tracking using Python, Selenium, Google Sheets API and GCP, driving a 1% weekly partner growth and **reducing support requests by 98%**.
- Developed automated JavaScript solutions in Google Tag Manager for seamless tracking pixel integration, supporting 50+ partners with improved tracking accuracy and faster onboarding.

SELECTIVE PROJECT

VocaBoost: Vocabulary Learning App — React Native / Spring Boot / MongoDB / AWS / Docker 04/2023

- Developed an analytics server with Spring Boot, MongoDB and Prometheus to store app's event history and monitor user behavior. Utilized WebSocket for real-time updates. Hosted backend on AWS EC2 with Docker.
- Implemented responsive user interfaces in React Native for 5+ devices, and achieved **1000+ downloads** on App Store.