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, DevOps & Infrastructure: AWS, Google Cloud Platform, Docker, Git, GitHub Actions, CI/CD

PROFESSIONAL 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 8%**.
- 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 15%.
- Increased test coverage to 95% with unit and integration tests in Jest, enhancing reliability and covering edge cases.
- Automated CI/CD pipelines with GitHub Actions, benefiting 120+ engineers and **cutting deployment issues by 50%**.
- Drove cross-functional collaboration across time zones to ensure timely delivery. Streamlined code reviews and issue tracking, reducing bottlenecks and **accelerating feature releases by 13%**.

Software Engineer Intern, OurDate   07/2023—10/2023
- 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 using Postman, leading to a 20% reduction in user-reported issues. Improved the developer onboarding time from 3 days to 1, **reducing response times to API-related support tickets by 93%.**
- 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 over 1 million records from 5+ platforms using Python pandas, NumPy and Jupyter Notebook, **improving data quality and collection efficiency by 7%**.
- Automated data pipelines with AWS S3, ECS, Lambda, and EventBridge, increasing data processing efficiency, cutting processing time from 8 hours to under 1 hour, enabling faster decision-making and reducing manual intervention.
- **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 by 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 PROJECTS

VocaBoost: Vocabulary Learning App — React Native / Spring Boot / MongoDB / AWS / Docker   04/2023
- Implemented responsive user interfaces in React Native for 5+ devices, and achieved **1000+ downloads** on App Store.
- Developed an analytics server with Spring Boot, MongoDB, and Prometheus to track app events and monitor user behavior in real-time. Deployed the backend on AWS EC2 using Docker.

Good Home: Property Bidding System — Django / MySQL / WebSocket / Google Cloud Platform   04/2024
- Designed and built a real-time chat feature using Django and WebSocket, **improving platform responsiveness by 17%**.
- Led a 4-member team, unblocking members and distributing tasks to ensure smooth collaboration. Managed priorities, deadlines, and deliverables to ensure timely completion and high software quality.