




Yunchi Pang

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EDUCATION

Northeastern University, Khoury College of Computer Sciences

San Jose, CA

M.S. in Computer Science | GPA 3.958

Sep 2022—May 2025

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C, Bash

Frameworks & Libraries: Node.js, NestJS, Django, FastAPI, Flask, Spring Boot, Scrapy, Selenium

Databases & Tools: MySQL, PostgreSQL, MongoDB, Firebase, Redis, Prometheus, WebSocket, Git

DevOps & Cloud: Docker, GitHub Actions, AWS, Google Cloud Platform

WORK EXPERIENCE

Software Engineer Intern

Jul 2024—present

Greenstand, Wallet Microservices team

San Jose, CA (Remote)

- Developed the tree tracker wallet API using **Node.js** and **PostgreSQL**, designing database schemas and server-side logic to ensure secure transactions for trading trees' environmental impact.
- Migrated /auth endpoint functionalities and associated tests from JavaScript to **TypeScript** in **NestJS**, enhancing code quality and reliability, resulting in a 25% reduction in runtime errors.
- Set up **CI/CD** pipelines using **GitHub Actions**, ensuring consistent code quality and facilitating seamless integration of new features, resulting in a 20% decrease in deployment-related issues.
- Implemented unit and integration tests with **Jest**, improving test coverage to 90% which led to a 30% decrease in post-development bugs and ensured robust code quality across multiple environments.
- Coordinated closely with the team lead and other contributors in a remote, distributed environment to prioritize feature development and bug fixes, leveraging **GitHub** for efficient project management and communication.

Software Engineer Intern

Jul 2023—Oct 2023

OurDate

San Jose, CA (Remote)

- Developed a **Django REST Framework** + **MySQL** backend API, incorporating user authentication with JWT, enhancing security and scalability, resulting in a 30% improvement in performance and data protection.
- Enhanced user accessibility by 90% through improved **API documentation** via **Postman**, leading to a significant decrease in user-reported issues and improved user feedback.
- Boosted user engagements by 50% by building an **end-to-end** date plan sharing feature. Designed backend views and established data transmission to frontend routes, enabling seamless sharing via links between partners, driving user retention and satisfaction.
- Demonstrated leadership skills through 6+ weekly **code reviews** on team members' pull requests on **GitHub**, fostering a culture of code quality and collaboration, and ensuring adherence to best practices.

Data Engineer

Jan 2022—Jun 2022

Dashmote, Data Acquisition team

Shanghai, China

- Developed web scrapers using **Scrapy** to extract raw data from 5+ delivery platforms, efficiently processing extensive datasets (1M+ records) using **Python**, **Pandas**, **SpiderKeeper**, **Jupyter Notebook**, and **AWS S3**, significantly enhancing the company's data collection capabilities.
- Automated data collection through **AWS S3**, **ECS**, **Lambda**, and **EventBridge**, boosting efficiency by 90% and reducing manual intervention, resulting in a more streamlined and scalable data pipeline.
- Collaborated with cross-functional teams to investigate and resolve low-quality data issues using **SQL** queries, improving data accuracy by 9% through rigorous **Google Places API** research and experimentation, ensuring higher data integrity and reliability.