




# Yunchi Pang

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## EDUCATION

Northeastern University, Khoury College of Computer Sciences

San Jose, CA

*Master of Science, Computer Science | GPA 3.945*

Sep 2022—present

## SKILLS

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

Frameworks: Django, Flask, FastAPI, React/React Native, Node.js, Spring Boot, Scrapy, Selenium

Databases & Tools: MySQL, PostgreSQL, MongoDB, Firebase, Prometheus, Git, AWS, GCP, Docker

## WORK EXPERIENCE

Software Engineer Intern (Full-stack)

Jul 2023—Oct 2023

*OurDate*

San Francisco, CA (Remote)

- Developed a **Django** REST Framework + **MySQL** backend API, incorporating user authentication with **JWT**.
- Enhanced user accessibility by 90% through improved API documentation via **Postman**, measured by a decrease in user-reported issues and improved feedback.
- Created a **React** frontend for the early-stage product, ensuring a seamless authentication flow through contexts and hooks. Improved code quality and consistency by 20% with **ESLint & Prettier**.
- 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 sharing via links between partners.
- Integrated **Stripe** for payments and subscriptions, connected **Slack API** with webhooks for channel alerts. Utilized **Rollbar** for production error logging. Achieved an 80% boost in debugging efficiency.
- Demonstrated leadership skills through 6+ weekly **code reviews** on team members' pull requests on **GitHub**.

Software Engineer (Data acquisition)

Jan 2022—Jun 2022

*Dashmote*

Shanghai, China

- Developed web scrapers using **Scrapy** to extract raw data from 5+ delivery platforms. Processed extensive datasets (1M+ records) using **Python**, **Pandas**, **SpiderKeeper**, **Jupyter Notebook** and **AWS S3**.
- Automated data collection through **AWS S3**, **ECS**, **Lambda** and **EventBridge**, boosted efficiency by 90%.
- Collaborated with cross-functional teams to investigate low-quality data. Resolved issues via **SQL** queries, improving data accuracy by 9% through **Google Places API** research and experimentations.

## PROJECTS

Greenstand, Wallet Microservices (Open Source Contributor)

Dec 2023—present

- Developed the tree tracker wallet API utilizing **Node.js** and **PostgreSQL**, facilitating the holding and trading of the environmental impact of growing trees. Integrated **Swagger** to provide comprehensive API doc.
- Transferred /auth endpoint functionalities and associated tests from **JavaScript** to **TypeScript** in **NestJS**, enhancing code quality & reliability, and contributing to a more maintainable software architecture.
- 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.

Movemakers

Oct 2023—present

- Designed and implemented a dance class scheduling system utilizing **FastAPI**, **PostgreSQL** and **React**.
- Employed **Docker** containers and **CI/CD** pipelines with **GitHub Actions** for app deployments, achieving a 50% reduction in deployment times and enhancing the consistency across different environments.
- Implemented automated unit and integration **testing**, resulting in a 30% decrease in bug reports and ensuring robustness and reliability of the application.