



# YUN-CHI 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—Dec 2024 Expected

**The Chinese University of Hong Kong**

Hong Kong

*Bachelor of Business Administration, Business Analytics & Quantitative Marketing*

Sep 2017—Dec 2021

## SKILLS

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

Frameworks: Django, Flask, 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**.
- Collaborated with the rest of the engineering team to help define scope and timelines for potential projects.

**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**.
- 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.
- Automated data collection through **AWS S3**, **ECS**, **Lambda** and **EventBridge**, boosted efficiency by 90%.

## OPEN SOURCE

**Backend Developer**

Dec 2023—present

*Greenstand, Wallet Microservices*

- Developed the tree tracker wallet API utilizing **Node.js** and **PostgreSQL**, facilitating the holding and trading of the environmental impact of growing trees.
- 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.
- Conducted thorough testing of endpoints using both **Postman** and **Insomnia**.
- Integrated **Swagger** to provide comprehensive API documentation.