




# YUN-CHI PANG

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## EDUCATION

### Northeastern University, Khoury College of Computer Sciences

San Jose, CA

*Master of Science, Computer Science | GPA 4.0*

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, with user authentication using **djoser** and **JWT**, including documentation, resulting in improved security and ease of access for users.
- Created a **React** frontend for the startup's early-stage product, ensuring a smooth authentication flow using contexts and hooks. Enhanced code quality and consistency by implementing **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. Integrated **Slack API** with **webhooks** to alert channels, and leveraged **Rollbar** for production error logging, leading to an 80% boost in debugging efficiency.
- Demonstrated leadership skills through 6+ weekly **code reviews** on team members' pull requests on **GitHub**. Offered guidance in writing descriptions and tests to facilitate prompt issue resolution and efficient CR.

### 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 using **Node.js** to enable holding and trading the 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.
- Integrated **Swagger** to provide comprehensive API documentation.