




# 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

May 2025

## SKILLS

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

Frameworks & Libraries: Node.js, NestJS, Express, Django, FastAPI, Flask, Spring Boot, WebSocket

Databases: MySQL, PostgreSQL, MongoDB, Firebase, Redis, Prometheus

Cloud & Infrastructure: AWS, Google Cloud Platform, Docker

DevOps & Version Control: Git, GitHub Actions

## WORK EXPERIENCE

Software Engineer Intern

Sep 2024—present

Greenstand, Wallet Microservices Team

Anchorage, AK (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 endpoints and associated tests to **TypeScript** in **NestJS**, reducing runtime errors by 25%.
- Implemented unit and integration tests with **Jest**, boosted test coverage to 90%, cutting post-dev bugs by 30%.
- Automated **CI/CD** with **GitHub Actions**, reducing deployment issues by 20%.

Software Engineer Intern

Jul 2023—Oct 2023

OurDate

San Francisco, CA (Remote)

- Built a **Django REST API** with **MySQL** and **JWT** authentication, improving security and scalability by 30%.
- Boosted user engagement by 50% with an end-to-end plan sharing feature, driving retention and satisfaction.
- Enhanced API documentation in **Postman**, reducing user-reported issues by 20%.
- Led 6+ weekly code reviews on **GitHub**, ensuring team-wide code quality and collaboration.

Data Engineer

Jan 2022—Jun 2022

Dashmote, Sourcing Team

Shanghai, China

- Developed web scrapers using **Scrapy**, processing 1M+ records from 5+ platforms, improving data collection.
- Extracted and cleaned data using **Python**, **Pandas**, **Jupyter Notebook**, and **AWS S3** for efficient processing.
- Automated data pipelines with **AWS S3**, **ECS**, **Lambda**, and **EventBridge**, boosting efficiency by 90%.
- Improved data accuracy by 9% by resolving low-quality data issues using **SQL** and **Google Places API**.

Operations Intern

Sep 2020—Jul 2021

ShopBack, Merchant Ops Team

Taipei, Taiwan

- Integrated network APIs to streamline merchant onboarding, reducing setup time by 30%.
- Automated workflows using **Python**, **Google Sheets API** and **GCP**, leading to 1% weekly partner growth and a 98% reduction in support requests.
- Developed **JavaScript** solutions in **Google Tag Manager** for seamless tracking pixel integration, supporting 50+ partners with improved tracking accuracy and faster onboarding.

## PROJECTS

Good Home (Property Bidding System)

Apr 2024

- Built a property bidding system using **Django** and a cloud-hosted **MySQL** database for scalability.
- Implemented real-time messaging with **WebSocket**, enabling instant user communication, which improved engagement by 20% and reduced message latency by 50%.