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

SUMMARY

Backend Engineer with 1+ years of experience building scalable APIs, optimizing databases, and automating workflows. Proven record of reducing bugs, boosting efficiency, and improving app performance.

SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C, SQL
Frameworks & Libraries: Node.js, NestJS, Express, Django, FastAPI, Flask, Spring Boot, WebSocket
Databases: MySQL, PostgreSQL, MongoDB, Firebase, Redis
Cloud & Infrastructure: AWS, Google Cloud Platform, Docker
DevOps & Version Control: Git, GitHub Actions, CI/CD, Prometheus

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 cross-functional code reviews on **GitHub**, increasing code quality and reducing bugs by 15%.

Data Engineer   Jan 2022—Jun 2022

Dashmote, Sourcing Team   Shanghai, China

- Developed web scrapers using **Scrapy**, processing 1M+ records from 5+ platforms using **Python pandas, NumPy** and **Jupyter Notebook**, improving data quality and collection efficiency by 15%.
- Automated data pipelines with **AWS S3, ECS, Lambda,** and **EventBridge**, boosting data processing efficiency by 90% and enabling seamless integration for large-scale data storage.
- Boosted data coverage from 89% to 95% by investigating sparse latitude and longitude coordinates and enriching them with updated geospatial data using **SQL** and the **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.