

YUN-CHI PANG

pang.yun@northeastern.edu | 669-274-6138

[GitHub](#) | [Website](#) | [LinkedIn](#)

EDUCATION

NORTHEASTERN UNIVERSITY, Khoury College of Computer Sciences

San Jose, CA

Master of Science, Computer Science | GPA 4.0

Sep 2022—Dec 2024 Expected

Relevant Coursework: Discrete Structures; Object-Oriented Design in Java; Data Structures, Algorithms, and Their Applications within Computer Systems; Mobile App Development

THE CHINESE UNIVERSITY OF HONG KONG

Hong Kong, China

Bachelor of Business Administration, Business Analytics & Quantitative Marketing

Sep 2017—Dec 2021

Relevant Coursework: Intro to Computing Using Java; Intro to Python; Network and Security; Business Information Systems; Marketing Engineering

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, R, C, C++, HTML, CSS

Frameworks/Libraries: Node.js, Express., Django, Flask, Scrapy, Selenium, React

Database: MySQL, PostgreSQL, SQLite, MongoDB

Tools: Bash, Zsh, Vim, Git, Postman

WORK EXPERIENCE

DASHMOTE

Shanghai, China

Data Engineer

Jan 2022—June 2022

- Gathered raw data from 5 delivery platforms by developing web scrapers based on **Scrapy**
- Processed data at scale using **Python**, collaborated with colleagues on **GitHub** and maintained up to 6 repositories, and cooperated with Quality Assurance team to deliver data with high completeness
- Investigated low quality data and identified issues using queries against **MySQL** and Amazon Athena
- Utilized Cloud Computing services and Containers (**AWS** S3, ECS, Lambda, EventBridge) to automate data collection processes, which increased 90% of time efficiency

SHOPBACK

Taipei, Taiwan

Operations Intern

Sep 2020—Jul 2021

- Put together **API integration** via TUNE partner marketing platform
- Constructed customized **JavaScript** in Google Tag Manager to support integration via tracking pixels and provided technical consultation to partners
- Formulated automation tools based on **Python** to scrape external websites and provided data for the business teams to implement strategies, which supports the steady 1% growth in number of partners every week
- Initiated projects on building internal services to automate manual work. By utilizing available **APIs** and **SDKs**, the **Python**-based automation tool reduced over 95% of human error and increased 92% of time efficiency

PROJECTS

Choreography Library API, personal

Python, Django REST Framework, Docker, AWS EC2

- An **API** for a choreography library application that allows users to CRUD pieces of choreographies
- Developed using **Django REST Framework**, containerized using **Docker**, and deployed to **AWS EC2**

trexchichi-manicure, Harvard University CS50x

Python, Flask, PostgreSQL, Heroku

- A Web App created with the **Flask** framework with a **PostgreSQL** database, hosted on **Heroku**. The website aimed to reduce manual tracking and querying when providing beauty treatments to customers
- Implemented admin log-in, user registration, treatment recording, user reloading, and history transaction querying functions by applying **HTTP** GET and POST methods

markdownblog, personal

Node.js, Express, MongoDB

- A blog built with **Node.js** and **Express**, with a **MongoDB** database.
- Implemented create, edit and delete methods on articles,. Posts can be created directly using Markdown syntax