

Wentao He

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Education

New York University, Computer Science

Aug 2023 - Dec 2024

- GPA: 3.813/4.0
- **Coursework:** Data Structure, Linear algebra, Discrete math, Introduction to computer science and data science, calculus

Experience

NYU Shanghai Durf Project

June 2024 - Aug 2024

- Title: With the progress of urbanization and the deepening of rural aging, and the unwillingness of young people to return to their hometowns for farming, who will cultivate the rural land?
- Role: The Data analysis and the data visualization part. Especially, I am good at python's library like Pandas for data manipulation and analysis and Matplotlib which offers a wide range of plotting capabilities from basic charts to complex interactive plots. Namely I can make the data like age distribution in rural areas, the youth migration trends show in a straightforward geographic way. And the data like agricultural income and land use and proportion of technology adoption into accessible charts. Additionally, I am good at Scrapy and selenium which can help us search and collect examples from the internet rapidly for us to compare our research in China with other countries' situation to make the outcome in a more boarder sight. improved efficiency, and reduced delays

WeChat Official Account

Sep 2024- Nov 2024

- I set up my own server and implemented NAT traversal (network penetration) to make it accessible from outside the local network. Additionally, I created a WeChat Official Account that provides real-time weather forecasts and fetches music information based on user requests by leveraging web scraping and data processing techniques. This project showcases my ability to integrate server-side technologies with WeChat's API to deliver dynamic and interactive services to users.

Building website

Sep 2023

- Building my own website and got A in POH course. <https://www.bob666.me/> (still building on my own domain)

Projects

WeChat Official Account

2024 -

- A private official account used to crawl music and weather report
- Tools Used: Javascript, python, Cloudflared.
- Learnings: The process of building server and crawling skills.

Chat System

2024

- Built a Python chat system with GUI running on localhost with game function
- Tools Used: Python, Tkinter
- Learnings: Using threads to manage different processes

Technologies

Languages: Python, linux, JavaScript, Java, SQL, LaTeX

Technologies: Node-fetch Git, Scrapy, Selenium

Interests

Piano, Design, badminton