JIAYUE (JOSIE) ZHANG

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Available: Summer 2024 Internship

EDUCATION

Northeastern University	Boston, MA
Master of Science in Computer Science	Expected Graduation: May 2025
Rutgers University, the State University of New Jersey	New Brunswick, NJ
Bachelor of Science in Finance and Information Technology	May 2021

SKILLS

Programming Languages: Python, JavaScript, SQL, Java, Swift, HTML, CSS, Ruby, PHP
Tools Used: Database APIs (AWS, MongoDB), Git
Framework: Flask, Django

WORK EXPERIENCE

Echelon Advisors, LLC	New York, NY
Senior Tax Associate	January 2021 - April 2023

- Prepared federal and multi-states tax returns for High-Net-Worth Individuals(Net worth $3B+), Hedge Funds and Investment Companies (Capital $31B+) , and Private Foundations.
- Optimized tax preparation workpaper by **Visual Basic**. Reduced preparation time by 30%.
- Built a quality work product for tax projections and quarterly estimates with Bloomberg BNA. Virtualized quarterly tax estimates via **Power BI**.
- Conducted an Income and Expense Analysis with **MySQL**, **Python Pandas** and **NumPy**.

PROJECTS

US Federal Tax Estimator   Language: Python
2023 tax estimator based on 2022 incomes and expenses, embedded with OpenAI API Chat Bot

- Created a chat bot with **ChatGPT API** and **QyQt5**.
- Designed a federal tax calculator to estimate tax owed or refunded.
- Built a dictionary where users can store their tax information for final review.

Stock Predictor   Language: Python

- Web scraped a company's stock prices by **BeautifulSoup.**
- Applied time series **LSTM Model** to predict stock prices.
- Visualized data with **Matplotlib** and **Bokeh.**

Personal Website, https://jiayuezhang84.github.io   Language: HTML, Ruby, PHP

- Created Email Contract Form with **PHP** and obtained SMTP with **PHPMailer.**
- Imported **Jekyll** to build webpages and included contents with **HTML** and **CSS**.
- Added **Google Search Console** to optimize visibility.

Currency Converter   Language: Python

- Tkinter GUI for converting currencies via scraped real-time foreign exchange rates using **Beautiful Soup**