Yushan Qin

(608) 640 8433 | qqinys@gmail.com

EDUCATION

University of Wisconsin-Madison Madison, WI
Master of Science in Computer Sciences *09/2023-12/2024[expected]*
Capstone Certificate in Computer Sciences *09/2022-05/2023*
Cumulative GPA: 4.0/4.0

University of International Business and Economics (UIBE) Beijing, China
Bachelor of Management in Accounting *09/2018–07/2022*
Cumulative GPA: 3.8/4.0

WORK EXPERIENCE

Deloitte Beijing, China
Data Scientist Intern *05/2022–08/2022*
Supported Deloitte Intelligent Bond's (iBond) project of industrial database
- Designed and deployed text classification by SVM model based on companies' profile for industry classification with an accuracy of 81% for ESG Project Team;
- Upgraded scoring procedure in Industrial Credit Level Model by TOPSIS model, and gained accuracy improvement from by 12%;
- Spearheaded Industrial Report using **HTML** and Markdown, collaborating closely with cross-functional teams to gather requirements and ensuring data integration of **data visualization** by Plotly.

Siemens Beijing, China
Data Scientist Intern *04/2021–10/2021*
Participated in customer's special price offering projects by optimizing data pipelines and engineering
- Automated data wrangling on 3M+ pieces of customer history data;
- Established a LightGBM model to predict discounts for each request, deployed auto-run code on **AWS** and enabled company to reduce costs by ¥1M+ per business unit;
- Built dashboard with Qlik Sense to report the impact of predicted results on approvers' decisions.
- Improved check efficiency by developing a Data Check program, improving efficiency by 60%.

Snowball Finance Beijing, China
Business Analyst Intern *01/2021–04/2021*
Conducted research to target the potential wealth management customers
- Performed analytic hierarchy process (AHP) to predict the targeted companies, and analyzed the model outcomes to deliver an in-depth report about wealth management;
- Analyzed users' behaviors on the investors' community, applying LDA for text clustering of interview responses to support the construction of user personas.

PROJECTS

BadgerChat Development using React (COMP571 Building User Interfaces) *Fall 2022*
- Created a web and mobile chatroom application using **React**. Conducted end-to-end development, covering both frontend and backend aspects for a seamless user experience;
- Implemented real-time data fetching and posting capabilities through **API** integration, enabling user authentication, message retrieval, and posting functionality;
- Improved UI/UX designs of chat room functions, including user login, registration, and message posting.

Flow Control and DNS (COMP640 Intro to Computer Networks) *Fall 2022*
- Developed a data sender and receiver system using the sliding window algorithm in Python;
- Implemented DNS server conducting the recursive DNS resolutions to handle queries.

Parallel Sorting with Multi-threading (COMP537 Operating Systems) *Spring 2023*
- Developed and implemented a highly efficient parallel sorting algorithm using multiple threads;
- Conducted rigorous performance evaluations to measure the significant speedup achieved.

SKILLS

- **Programming Skills:** React & React Native, JavaScript, C, Java, SQL, Python, MATLAB
- **Development Tools:** AWS, Linux, Bash, Github, Jupyter Notebook