# Wen Xie

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## EDUCATION

*M.S. in Computer Science-Align,* **Northeastern University**                                      01/2023 - 12/2025
**Relevant Coursework:** *Intensive Foundations of Computer Science and Recitation; Object-Oriented Design and Recitation; Data Structures, Algorithms, and Their Applications within Computer Systems and Recitation*

*B.A.,* **University of International Business and Economics**                                      09/2018 - 06/2022
**Major**: Business English; **Minor**: Accounting

## SKILLS

**Languages:** Python, Java, JavaScript, C++, C, HTML, CSS, SQL
Framework: React, Django, Node, Spring
**Tools:** Git, MySQL, Redis, MongoDB

## PROJECTS

**Hospital registration system—Full stack project**                                      01/2023 – 07/2023

An innovative healthcare appointment booking system that leverages a technology stack including Spring Boot, Spring Cloud, Vue.js, and MongoDB to offer a user-friendly solution for scheduling medical appointments, optimizing performance, and enhancing healthcare accessibility.

- Utilizing Spring Boot and Spring Cloud for cloud-native application development, ensuring scalability and flexibility in system architecture.
- Leveraging key components such as MyBatis-Plus, Redis, and RabbitMQ to enhance system efficiency and reliability, enabling seamless and robust operation.
- Utilizing Vue.js for frontend development, and Node.js for server-side logic to create a user-friendly interface that ensures a smooth and enjoyable user experience.
- Implementing Git for code management, streamlining deployment processes, and enhancing collaborative development.
- Applying MySQL to store critical data, ensuring data persistence and consistency, while using MongoDB to handle unstructured or semi-structured data, enabling efficient and organized data management.

**B2C micro-e-commerce system—Full stack project**                                      07/2022 – 11/2022

A simulated online shopping platform that demonstrates core features using technologies Java, Spring Boot, Vue.js, and MySQL

- Utilized Spring Boot and Spring Cloud for efficient development of backend microservices, ensuring both development speed and maintainability, and enabling microservices governance in a distributed system.
- Implemented MySQL to streamline database operations, enhance data management efficiency, and establish a robust relational database, achieving organized and resilient message handling.
- Employed Vue.js and Element UI to design user-friendly interfaces, resulting in visually appealing and engaging shopping experiences.
- Applied Webpack and Nuxt.js to optimize frontend performance, achieving significantly faster page loading times and enhancing user satisfaction.

## INTERNSHIP EXPERIENCE

*Consulting Assistant,* **Financial Holding Group Service, PingAn**                                      07/2021 - 12/2021
- Involved in two digital transformation projects, contributing to project implementation by facilitating frontline pilot work, completing data analysis, and producing consulting reports with high efficiency.
- Conducted industry research on financial holding companies, leveraging Python's data analysis techniques with **NumPy**, **Matplotlib**, and **Pandas** to identify key indices crucial for the project.
- Tracked project progress and wrote periodic reports to keep stakeholders informed.

*Analyst Assistant,* **Department of EMEA Global Credit Risk Management, Lenovo**                                      09/2020 - 03/2021
- Produced credit reports based on client's financial statements, transaction histories, mortgages, and insurance, providing suggestions for the optimization of risk strategies in different stages of the loan procedure.
- Participated in risk assessment of new projects, promoted project execution and supervision, and completed credit risk analysis reports.
- Collaborated with analysts to issue timely risk warnings and develop comprehensive risk control plans, leveraging advanced data manipulation techniques and utilizing SAP for efficient client information retrieval.

## RESEARCH

*Member,* **Research on the Influencing Factors of Box Office Takings, a Case Study of Chinese Film Market**  09/2019 - 03/2020
- Utilized web crawling techniques to obtain sufficient information on films and conducted data preprocessing with Pandas to extract and align multi-dimensional features of recent five-year mainland China box office data for over 3,000 films.
- Developed an accurate Decision Tree model with **XGBoost** and a well-fitted Neural Network model using **Pytorch**, and utilized analytical results of the models to determine the top 5 essential data features.