

# Hang Xia

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## Education

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### Master of Information Systems, Computer Software Engineering

Northeastern University, Seattle, WA

Expected May 2023

- Courses: Object-Oriented Design in Java, Data Structure and Algorithms, Database System Implementation, Front-end Web Development, Smartphones-Based Web Development, Agile Software Development, etc.

### Bachelor of Textile Engineering

Soochow University, Suzhou, China

July 2020

- Courses: Calculus, Probability and Statistics, Linear Algebra, Database Technology, Application Engineering and Development, Machine Learning (Coursera), Data Structure and Algorithmic (Coursera)

## Experience

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### Intern in Big Data Research Center

July 2019 - September 2019

Institute of Computing Technology, Chinese Academy of Science, Zhengzhou, China

- Analyzed in Localized management projects, completed website classification, statistical analysis tasks
- Executed Application performance testing according to website operators and service content, marked as training samples of the classification model, and provided sample data support for the team

## Skills

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- Programming Languages: Java, Javascript, HTML/CSS, SQL, Swift, Shell, Python
- Development Frameworks and Tools: React, Spring5, Tomcat, MySQL, Microsoft SQL Server, MongoDB, Xcode, Git

## Selected Projects

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### Employee Directory System, (Full Stack)

February 2022 - April 2022

- Built a web application including register/login, employees management functions with **Java**
- Constructed **MVC** frontend with Thymeleaf and Bootstrap for web browser layout and beautification
- Utilized **MySQL** for storing data and implemented **CRUD** operation

### Restaurant Database, (SQL)

May 2021 - August 2021

- Implemented a local **relational database** system providing basic functionalities similar to a modern relational database system (MySQL, Microsoft SQL Server, etc.)
- Developed the database system to query, display and output records, and ensure the operation of daily restaurant affairs
- Constructed the database to know most popular dish and check behavior constraints based on different functions
- Use **PowerBI** and **Tableau** to achieve database visualization

### Personal Website, (React)

October 2021 - December 2021

- Develop a website with the **React** framework and hosted with GitHub Page
- Programmed animations using JavaScript to increase user interest and engagement
- Utilized the GitHub **APIs** to crawl personal GitHub project data

## Leadership

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### President Of Student Union

June 2018 - June 2019

College of Textile and Clothing Engineering, Soochow University

- Hold regular meetings regularly, make monthly and annual work plans and activity arrangements, and distribute to all departments according to school regulations and department functions
- Communicate with the College Youth League Committee to exchange students' information, reflect students' needs, and accept the supervision and leadership of the college Party committee
- Coordinate the work among various departments to ensure the effective operation of the whole student union