Fei Cao

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Education Background

Northeastern University   Boston, MA

Master of Science in Information Systems   January 2023 - December 2024 (Expected)

- Relevant Courses: Application Engineering and Development, Web Design and User Experience, Data Science Engineering, Concepts of Object-Oriented Programming, Program Structure & Algorithms

Nankai University Binhai College   Tianjin, China

Bachelor of Engineering in Electronic Information Science and Technology   September 2017 - June 2021

Skills

- **Software and Programming Languages:** JavaScript, TypeScript, Python, Java, HTML, CSS, SCSS, Git
- **Frameworks & APIs:** React, Node.js, Express.js, RESTful API, Vue, Spring Boot, GraphQL, Angular
- **Data Processing and Analysis:** PostgreSQL, Data Visualization, SQL, MongoDB
- **Languages:** English (Fluent), Korean(Fluent), Mandarin (Native)

Internship Experience

Xiaomi Technology Co., LTD   Beijing, China

Operations Intern at Short Video on Television Group   March 2021 - June 2021

- Collaborated with creators to refine content and match user data for varied audiences
- Utilized Xiaomi's data analytics platform to monitor real-time video play rates at various intervals
- Used data analysis to choose top-performing videos for the front page, increasing viewer engagement
- Increased video views 20% and front-page clicks 15% in 3 months by using analytics strategies

Shanxi Huaxiang Group Co., LTD   Shanxi, China

Operations Intern at Short Video on Television Group   July 2018 - September 2018

- Participated in the development, testing, and launching of ERP system for the company
- Responsible for the installation and operation and maintenance of ERP system
- Carried out user training and collected feedbacks for improvement
- Learned the procedure of software development and gained experience of project management

Project Experience

Movie Rating Website (CinemaScoop)   July 2023 - August 2023

- Developed a movie classification platform website using ReactJS, Next.js, and MongoDB within a team
- Implemented RESTful architecture to enable movie search, rating, and detailed movie information
- Responsible for frontend development, using Next.js for modular programming and component-based architecture. Utilized Tailwind CSS for the design of the pages.
- Integrated external APIs to populate the website with movie data

Restaurant Ordering System   March 2023 - May 2023

- Developed a functional restaurant ordering system using JavaFX and SQLite database
- Used the SQLite database for efficient data storage and retrieval, ensuring the accuracy and reliability of information management
- Responsible for content display after system login. Utilized JavaFX for UI design, performed CRUD operations on dishes via database connection, managed orders, and calculated total revenue

Task Management System Web Development   February 2023 - April 2023

- Designed and implemented an advanced task management system supporting multi-user collaboration.
- Built a comprehensive RESTful API for efficient development and deployment.
- Developed a dynamic frontend with React and Redux, alongside a JavaScript-based microservices backend; utilized MongoDB for task data storage and analytical queries.

Awards

- Nankai University Binhai College Top Tier Scholarship 2020, 2019, 2018
- Outstanding Student Leadership 2020, 2021
- Outstanding Volunteer at the 2021 Davos Conference