**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

**Sungkyunkwan University** Seoul, South Korea

*Language Courses* December 2021 - June 2022

**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, Flask, Spring Boot, GraphQL, Angular
* **Data Processing and Analysis:** Microsoft Excel, Google Sheets, Data Visualization, SQL, MongoDB
* **Languages:** English (Advanced), 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
* Used Excel spreadsheets to analyze and compile statistics on short video playback data
* Increased video views 20% and front-page clicks 15% in 3 months by using analytics strategies

***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
* Leveraged Next.js for robust performance and effective route management
* 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.
* Constructed a dynamic frontend using React and Redux, with a backend microservices architecture developed in JavaScript
* Utilized MongoDB for task data storage and executed advanced analytical queries
* Developed a comprehensive RESTful API, deployed the application in a cloud environment, and implemented a CI/CD pipeline

***Awards***

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