

# Daniel Ha

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## EDUCATION

### University of Nebraska - Omaha

*Master of Science in Management Information System*

Omaha, NE

Jan. 2024 – Dec. 2025

### University of Nebraska - Lincoln

*Bachelor of Science in Computer Science, Minor in Business*

Lincoln, NE

Aug. 2019 – Dec. 2023

## EXPERIENCE

### Software Engineer Intern

*FPT IS*

May 2024 – Aug 2024

*Hanoi, VN*

- Utilized FastAPI to streamline the development process and create REST APIs for efficiently accessing and manipulating data stored in a PostgreSQL database, resulting in a 20% increase in CRUD operations efficiency.
- Developed a sophisticated fullstack application to manage library data, integrating Spring JPA for robust backend functionality and React for intuitive frontend user experience, ultimately decreasing data processing time by 30%.
- Collaborated with cross-functional teams to troubleshoot and optimize API performance, leading to a 15% decrease in system response time while handling large datasets.

### Data Engineer Intern

*VinAI*

May 2022 – August 2022

*Hanoi, VN*

- Implemented automated ETL pipelines utilizing Python and PostgreSQL, resulting in a 40% increase in data flow speed and retrieval efficiency.
- Improved employee onboarding process by building an internal web application using ReactJS and NodeJS, leading to a 20% reduction in training time and increased efficiency.
- Managed containerized applications with Kubernetes to ensure scalability and reliability of the training platform, resulting in a 50% decrease in system downtime.
- Reduced data processing time by 30% and increased training completion rates by 25% through optimized data engineering and intuitive application design.

### Research Assistant

*University of Nebraska - Lincoln*

May. 2020 – Aug. 2020

*Lincoln, NE*

- Collaborated with a cross-functional team to procure publicly available healthcare datasets; ensured full regulatory compliance, expanding data variety by 35% and enhancing analysis accuracy.
- Designed a basic machine learning model for disease prediction using logistic regression; collaborated with a mentor, established initial predictive capabilities, and achieved a 75% accuracy rate using collected data from 500 patient records.

## PROJECTS

### Style Hub | *Python, Django, HTML, CSS*

Jan 2024 – May 2024

- Developed an online store using Python and Django, enabling user registration, login, and password reset via email
- Implemented features for browsing items, adding to cart, wishlist management, and saving shipping addresses for a seamless shopping experience.
- Enhanced user interface with HTML and CSS, and created admin functionalities for item management, improving overall site administration.

### Course Scheduler | *C#, MySQL, ASP.NET core, HTML, CSS*

Jan 2022 – Dec 2022

- Launched a Course Scheduler web application using C#, MySQL, and ASP.NET core, enabling teachers to register, select available times, and request specific times and locations.
- Designed and implemented an advanced admin scheduling system with CRUD capabilities and automated conflict detection, reducing schedule overlaps by 95% and saving the team over 40 hours per month.
- Collaborated closely with a college stakeholder and a team of four, enhancing functionality for saving and viewing past schedules, significantly streamlining the scheduling process for each semester.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++/C#, SQL (Postgres, MySQL), JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Spring Boot, Next.js, Flask, JUnit, Django, ASP.NET core, FastAPI, Bootstrap

**Developer Tools:** Git, Docker, Kubernetes, TravisCI, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse