

# Noah Greenbaum

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## Education

Miami University, Oxford, Ohio  
Master of Science in Computer Science  
Bachelor of Science in Computer Science

Cumulative Graduate GPA: 3.83  
Expected Graduation: May 2025  
Graduated: May 2024

## Relevant Skills

**Programming Languages:** Java, Python, JavaScript, PHP, TypeScript, C#, PHP, JSON, XML, HTML & CSS

**Frameworks:** React, .Net, NodeJS

**Cloud & Platforms:** AWS, Azure, Firebase

**Databases:** MySQL, Postgres, MongoDB, NoSQL

**Tools & Technologies:** Git, SQL Server, Docker, CI/CD Pipelines, PyTorch, REST APIs, Linux System Administration

**Communication & Collaboration:** Agile Development (story grooming, sprint planning, retrospectives)

## Work Experience

### KD Consulting

Fairfield, Ohio

#### Full Stack Developer –

June 2024 – May 2025

- Spearheaded full stack development of a native mobile application for real-time inventory and financial tracking.
- Integrated advanced native functionalities to optimize user experience, evaluate performance metrics, and reinforce security protocols in alignment with industry benchmarks.
- Deployed JWT authentication mechanisms to secure user data and maintain tight security standards.
- Collaborated cross-functionally to integrate comprehensive tech stack components – including ReactJS, MySQL, REST APIs, and GIT.
- Configured company-wide Slack channel for communication, issue tracking, and local file management.
- Extracted and structured DB schemas, stored procedures, and queries for LLM training on natural language to SQL translation.
- Built automated scripts to generate training data from live MySQL database for model fine-tuning.

#### Full Stack Developer Intern –

October 2023 - January 2024

- Designed and implemented a web-based solution to deliver real-time employee and store analytics directly to breakroom displays.
- Architected a resilient network fail-safe mechanism that guaranteed uninterrupted operation.
- Integrated dynamic interactive touchpad functionality for intuitive menu navigation and responsive onscreen timers, exemplifying user-centric design principles.

### Thaddeus Resource Center

#### Remote Web Development Intern

January 2023 - August 2023

- Collaborated with cross-functional technical teams to concurrently execute multiple projects, ensuring seamless communication, and timely delivery.
- Led as project manager for web development team, streamlining processes and efficient workflow automation with Power Automate.
- Facilitating daily standups to ensure effective communication and following agile processes.

## Academic Experience

### Master's Thesis Research (Machine Learning & Data Privacy)

Fall 2023 - Spring 2025

- Undergoing research on differential privacy effect in federated learning models to defend against privacy attacks such as Membership Inference Attacks successfully.
- Successfully completed a thesis through extensive background research, collaboration with a faculty advisor, and a thorough experimental methodology development.
- Expanding domain knowledge through advanced coursework on machine learning, computer vision, and cryptography.

### Web Application Programming Leading Teaching Assistant

August 2022 - Present

- Mentored students in FSD, providing guidance on front-end and back-end technologies, APIs, and database integration.
- Evaluated application-based coding labs and homework, adherence to best practices in software development and conducted office hours and technical workshops offering 1 on 1 assistance.
- Led and coordinated a team of teaching assistants, streamlined grading workflows, and enhanced student engagement.

### Contractor Service Application Project (On-Going)

Spring 2025

- Engineered a contractor service web application designed to connect customers with contractors based on service requirements.
- Implemented a backend using Spring Boot, integrating JWT authentication tokens ensuring secure access and session management.
- Designed a user interface in React for user navigation and messaging between customers and contractors.
- Utilized Postgres database for secure storage of contractor and customer profiles, customer reviews, and inquiry messages.