

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: 3.83/4.0

August 2023 - May 2025

August 2020 - May 2024

Work Experience

KD Consulting — Fairfield, Ohio

Full Stack Developer – Native Mobile Application

June 2024 – February 2025

- Spearheaded full stack development of a native mobile application for real-time inventory and financial tracking, significantly streamlining operations for pawn industry clients.
- Integrated advanced native functionalities to optimize user experience, evaluate performance metrics, and reinforce security protocols in alignment with industry benchmarks.
- Deployed robust JWT authentication mechanisms to secure user data and maintain tight security standards.
- Collaborated cross-functionally to integrate comprehensive tech stack components – including JavaScript, MySQL, GIT, and REST APIs – demonstrating proficiency in end-to-end solution delivery and agile project management.

Full Stack Developer Intern – POS Virtual Signage Project

October 2023 - January 2024

- Spearheaded the design and implementation of a web-based solution to deliver real-time employee and store analytics directly to breakroom displays, empowering data driven decision making.
- Architected a resilient network fail-safe mechanism that guaranteed uninterrupted operation ensuring system reliability.
- Integrated dynamic interactive touchpad functionality for intuitive menu navigation and responsive onscreen timers, exemplifying user-centric design principles.

Full Stack Developer Intern – System Hierarchy Mapping

August 2023 - October 2023

- Engineered robust Python scripts to seamlessly integrate with a cloud-based reporting system, allowing download and backup of system mapping.
- Demonstrated technical proficiency and adaptability by modernizing legacy systems for alignment with contemporary cloud architectures to enhance scalability.

Thaddeus Resource Center — Remote

January 2023 - August 2023

Web Development Intern

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

Academic Experience

Master's Thesis Research

Fall 2023 - Spring 2025

Machine Learning & Data Privacy

- Undergoing research on differential privacy effect in federated learning models to successfully defend against privacy attacks such as Membership Inference Attacks.
- Successfully completed a thesis proposal through extensive background research, collaboration with a faculty advisor, and development of a thorough experimental methodology.
- 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.

Relevant Skills

- Programming Languages: Java, Python, JavaScript, PHP, TypeScript, C#, JSON, XML, HTML & CSS
- Frameworks: React, .Net, NodeJS, AWS, HTTPS
- Databases: SQL, MongoDB, Firebase, non-relational
- Tools & Technologies: PyTorch, Git, Jira, SQL Server, Docker, CI/CD Pipelines, Linux System Administration
- Communication & Collaboration: Agile Development (story grooming, sprint planning, retrospectives)