Dylan Andersen

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EDUCATION

North Central College Naperville, Illinois

B.S. Computer Science Graduated May 2025

Relevant Courses: Data Structures, Discrete Structures, Advanced Computer Architecture, OO Software Development, Operating Systems, Database Systems, Intro to AI, Algorithm Design & Analysis, Data Mining

Extracurricular: NCAA Lacrosse

TECHNICAL SKILLS

Languages: Python, SQL, C/C#/C++, Java, JavaScript, HTML, CSS, Assembly (MIPS), Prolog

Tools / Frameworks: GitHub, PyTorch, Pandas, NumPy, .NET, React, Django

EXPERIENCE

Wizard Software Solutions May – August 2024

Software Intern

- Developed CRUD operations and unit tests for the application's API using the .NET framework.
- Utilized GitHub for effective collaboration, version control, and seamless integration with the team's work.
- Participated in client meetings to identify their needs, developed solutions, and successfully delivered tailored products in FileMaker.
- Cleaned up the database to enhance efficiency and improve the IT team's performance while collaborating on backup verification to ensure data security and reliability.
- Identified and investigated a reoccurring software performance issue, conducted thorough testing, and presented my findings, leading to improved performance.

Team 48 Lacrosse Summers of 2022/23/24

Youth Lacrosse Coach

- Enhanced player skills and teamwork through practice plans and individual development as we competed against out-of-state competitions.
- Fostered a positive and disciplined team environment, emphasizing sportsmanship, respect, and character development alongside athletic training for 5th-grade athletes.

PROJECTS

Head2Head (Fantasy Football Web Application - React, Typescript, Django, Python, MySQL, AWS):

- Developed a full-stack fantasy football app in a team of three as a senior capstone project.
- Integrated real-time data from ESPN's free API for player stats and game schedules.
- Built custom features including fantasy betting, in-game currency, and dynamic user interfaces.
- Deployed the application using AWS services for scalability and reliability.

Data Mining Term Project (Pytorch, Pandas, Python):

- Designed and trained a Convolutional Neural Network (CNN) to classify human facial emotions.
- Used the FER2013 dataset to achieve 80% model accuracy after hyperparameter tuning and testing.
- Researched and compared multiple deep learning architectures to select the most effective model.
- Collaborated in a team of three to write, test, and present the final solution.