

AIDEN VANDENBUSH

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Education

Northwestern University, Evanston, IL
M.S. in Computer Science, B.S. in Computer Science

Expected Graduation: May 2025
GPA: 3.8/4.0

Relevant coursework: Deep Learning, Artificial Intelligence, Machine Learning, Natural Language Processing, Design and Analysis of Algorithms, Data Structures and Algorithms, Human Computer Interaction, Discrete Mathematics, Computer Systems

Technical Skills

Languages: Python, C#, C/C++, Java, JavaScript

Technologies: Visual Studio, DataBricks, Github, Azure DevOps, PyTorch, TensorFlow, Xamarin, Flutter, Angular

Professional Experience

Xorbix Technologies **JUN 2024 – SEP 2024**
Software Development Intern *Milwaukee, WI*

- Created machine learning proofs of concepts to present as potential business solutions utilizing OpenAI and HuggingFace
- Updated a client side Angular application, resolving outdated dependencies and enhancing user experience
- Completed Databricks Generative AI Engineer Associate certification

West Bend Mutual Insurance Company **JUN 2023 – SEP 2023**
Software Development Intern *West Bend, WI*

- Created tool to help agents update consumer facing insurance forms 90% faster by using Python to automate the process
- Developed software used by insurance agents to track and manage insurance claims
- Employed Agile methodology to manage team projects, led daily standup meetings to discuss goals and blockers

Projects

Object Detection Application

- Created a mobile application that allows insurance agents to scan objects in a room and predict valuations, leading to more accurate insurance claims in case of fire damage or loss
- Utilized Databricks as a backend to build a robust deep learning pipeline
- Developed the frontend using Flutter to create an intuitive and streamlined user interface

Post Prediction for X

- Built a data-driven application to predict post popularity, demonstrating strong analytical skills and proficiency in working with APIs and building predictive models
- Collected data using the X API and trained a fully connected neural network from scratch with PyTorch

Leadership Experience

Northwestern Varsity Wrestling Team

- Student athlete on the 25-person Northwestern University NCAA Division 1 wrestling team, dedicating 20+ hours a week to practices, conditioning, weight training, and competitions while managing a rigorous academic course load
- 2024 NCAA Division I Academic All-American, selected as a 2023 and 2024 Big 10 Distinguished Scholar Award Recipient, demonstrating strong work ethic, discipline, and ability to excel under pressure

Youth Wrestling Coach

- Coached practices, taught private lessons, and assisted at wrestling camps to help youth wrestlers improve, developing leadership and mentorship skills