

Ethan Wojcik

Innovative developer designing systems to increase productivity & profitability

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Highly communicative and self-driven developer with hands-on experiences in AI/ML and full-stack development. Projects span speech emotion recognition, pipeline automation, and predictive modeling encompassing diverse industries. Excels working independently and in team-based settings to solve complex development problems and deliver impactful results.

Professional Experience

Federated Hermes | Pittsburgh, PA

May 2024—August 2024

Automation Development Intern

- Developed a power app interface to automate manual email and file sharing approval process to increase sales team productivity; *app won first place in intern hackathon.*
- Streamlined quality assurance activities by automating manual processes and reduced cycle time by 90%. Assisted with the automation of sensitive financial data.
- Created continuous integration and deployment pipeline scripts to increase automation. Accurately migrated liquidity management test suite to a new internal framework.

Resilience Inc. | Tampa, Florida - Remote Role

October 2023—February 2024

AI/ML Developer Intern

- Led the 10-person Android development team in weekly meetings involving setting goals, resolving issues, coordinating progress, and advancing company goals.
- Contributed to the development of an AI-driven speech emotion recognition tool designed for K-12 school-based counseling applications.
- Aided team in data preprocessing, feature extraction, and audio augmentation to support model training and improve emotional classification.

iD Tech | Pittsburgh, PA

June 2023—August 2023

Camp Instructor at Carnegie Mellon University

- Led Python, Java, and introductory AI/ML classes for 90–120 students ages 10–18, quickly adapting instruction for varying skill levels and interests.
- Progressed into interim lead instructor for strong communication skills and initiative.
- Designed individual student projects, boosting engagement and reinforcing core concepts.

Collaborative Project Experiences

Michigan Data Science Team (MDST) | Ann Arbor, MI

January 2024—May 2025

- Developed poker bot using AI, game theory, and statistical methods for two-card Texas Hold'em; created models to optimize decision-making within a collaborative team.

Michigan Student AI Labs (MSAIL) | Ann Arbor, MI

August 2023—May 2025

- Collaborated on a 15-person team to build a car crash prediction model with 90%+ accuracy, applying ML techniques like feature engineering, fine-tuning, and model selection.

Education and Technology Skills

University of Michigan

Class of 2025

Bachelor of Science, Computer Science: 3.1 GPA

Key Project: Camera detection - integrated ML to determine user attentiveness and accuracy.

C • C++ • C# • Java • JavaScript • Python • SQL • Rust