Ethan Wojcik

Innovative developer crafting smart solutions for company performance & profit

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

Professional Experience

Federated Hermes | Pittsburgh, PA   May 2024—August 2024
Automation Development Intern
- Developed power app interface to automate manual email and file-sharing approval process to increase sales team productivity. App won first place in the competitive intern hackathon.
- Streamlined quality assurance activities by automating manual processes and reduced cycle time by 90%. Assisted with sensitive financial data automation.
- Created continuous integration and deployment pipeline scripts to increase automation. Accurately migrated liquidity management test suite to new internal framework within .NET.

Resilience Inc. | Tampa, Florida - Remote role   October 2023—February 2024
AI/ML Developer Intern
- Led 10-person Android dev team in weekly meetings to resolve issues, coordinate progress, and advance company goals.
- Contributed to development of an AI-driven speech emotion recognition tool designed for K-12 school 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 to camp instructor due to 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 • HTML • JavaScript • Python • SQL • Rust • React