Zixuan(Marco) Wang

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EDUCATION

University of Wisconsin-Madison May 2027
GPA: 4.0
Major: Computer Science and Data Science
Relevant Coursework: Programming III, Linear Algebra, Intro to Big Data Systems, Machine Organization Programming

WORK EXPERIENCE

OPT Machine Vision Technology
Computer Vision Intern, June-August 2025
- Applied YOLOv5 to industrial datasets to automate manufacturing processes.
- Labeled and trained models for image classification tasks including alignment, quality inspection, and defect detection.
- Developed translation automation software using the OpenAI API to preserve formatting in PDFs, PowerPoint, and Word documents while enabling customizable, consistent translations for technical content.

RESEARCH

User Awareness and Consent in Gaming Anti-Cheat Systems
Author, July 2025-Present
- Leading a research project examining user awareness and consent in gaming anti-cheat systems to inform user-centered design and policy.

NLP Action Identification
Developer, April 2025-May 2025
- Leveraged spaCy to extract and categorize recommended actions from ChatGPT responses addressing abusive partner scenarios.
- Designed a system to structure unformatted text into actionable insights for analysis.

PERSONAL PROJECTS

News Article Bias Tracker
Developer, May 2025-June 2025
- Built a Python web application to scrape and analyze news articles for bias and misinformation.
- Implemented sentiment analysis, agent/patient framing detection, and emotional language identification using spaCy and HuggingFace.

Musicalfy
Developer, July 2024-September 2024
- Developed a Flask-based web application to analyze and visualize a user's Spotify listening trends through the Spotify API.
- Successfully secured a Spotify quota extension approval for expanded usage.

ACTIVITIES

Machine Learning Marathon
Member, September 2025-Present
- Collaborating in a five-member team to develop models that predict the functional impact of amino acid substitutions in proteins.

AP Computer Science Teacher's Assistant
Teacher's Assistant, August 2023-May 2024
- Designed and delivered curriculum during a teacher's absence, leading 15+ hours of lectures and 20+ hours of after-school tutoring.
- Guided students in debugging and mastering core programming concepts.

SKILLS

Technical Skills: Python, C++, Java, React, SQL, R, C, scikit-learn, pandas, numpy, spaCy, scrapy, HuggingFace, Flask
Languages: English(native), Chinese(native)