Adam Wojtulewski

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EDUCATION

Master of Science in Computer Science | Herbert Wertheim College of Engineering   *Expected December 2025*
University of Florida, Gainesville, FL
- GPA 3.91/4.00

Bachelor of Science in Computer Science | Herbert Wertheim College of Engineering   *2021-2024*
University of Florida, Gainesville, FL
- GPA 3.95/4.00

CERTIFICATIONS   ## LANGUAGES
- **UF AI Fundamentals and Applications Certificate**   Native proficiency in English
- **NVIDIA Deep Learning Fundamentals DLI Certificate**   Native proficiency in Polish
- Microsoft Office Specialist Bundle   Professional working proficiency in Spanish

WORK EXPERIENCE

AI Engineer Intern | MNX.AI   *May 2024*
- Implemented a logging system using the **SQLAlchemy** Python Library to record every prompt generated by Google models utilized along with key statistics such as the duration of the runs in **Cloud SQL** for **MySQL**.
- Automated the process of generating styled Excel spreadsheets for model outputs using Python.
- Generated a new report type through prompt engineering which enabled the summarization of documents.
- Engineered prompts leading to a 5% improvement in the performance of question answering prompts.

Research Trainee | Moffitt Cancer Center Department of Machine Learning   *May 2023 – May 2024*
- Wrote elaborate functions to automate data pre-processing and data training processes in **Python**.
- Applied the **Scikit Learn**, **Tensorflow**, **Keras**, and **AutoKeras** Libraries to build K-Means Clustering, Random Forest Classification and Regression, and Neural Networks Models, to identify colorectal cancer data trends.
- Presented at the **EMERGE Seminar** on August 16th at the Moffitt Cancer Center Campus in Tampa.
- Authored poster for the 2nd Annual Moffitt Quantitative Science Division Oktoberfest Scientific Meeting.
- Wrote a (now-**published**) **review article** about uses of AI on peritoneal metastasis to gastrointestinal cancers.

UNIVERSITY OF FLORIDA SOFTWARE PROJECTS

TablerEnabler (App) | Senior Project   *August 2024 – December 2024*
- Set up the backend table schemas in **MongoDB** and wrote most of the endpoints that were used by frontend.
- Designed and developed the search, organization profile, favorites, map-view, and system-admin pages in **React**.

Dynamic Visualization App for Random Forest Models | Honors Thesis Project   *August 2024 – December 2024*
- Created a dynamic visualization application for studying groups of Random Forest decision trees in **Python** using libraries like **Plotly**, **Dash**, and **Scikit Learn**.

TA Assignment System Redesign | Human Computer Interaction Semester Project   *August 2024 – December 2024*
- Conducted user research and made a low-fidelity prototype of over 20 sketches that inspired the system design.
- Developed the System-Administrator side of the application using **React** and wrote documentation for system.

JVM Compiler | Programming Language Principles Semester Project   *January 2024 – May 2024*
- Developed a compiler for a small language on the **JVM** with **Java**, including **tokenization**, **syntax parsing**, **semantic analysis**, and **bytecode generation** with a classmate.

Worldlier (Social Media) App | Introduction to Software Engineering Semester Project   *January 2023 - May 2023*
- Developed the backend for a social media web application using **Golang**, **SQL, RESTful API, and MySQL** that allows users to network and meet other users from foreign countries of interest.
- Performed **70 user interviews** over the course of the project to obtain user feedback and adjust plans accordingly.

Product Related Injuries App | Information and Database Systems 1 Semester Project   *January 2023 – May 2023*
- Developed the backend for a social media web application using **Golang**, **SQL, and Oracle SQL Developer** that allows users to learn about commonly used products that have resulted in many injuries.

INVOLVEMENT

President | University of Florida Polish Student Association   *April 2023 – Present*
- Plan, coordinate, and supervise **all POLSA events** and manage and oversee funds.
- Started initiative to host virtual language sessions with students from the University of Warsaw in Poland.