Adam Wojtulewski

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EDUCATION

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

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

International Baccalaureate Diploma   *May 2021*
Palm Harbor University High School, Palm Harbor, FL
- Weighted GPA 4.50/4.00, Unweighted GPA 4.00/4.00

CERTIFICATIONS
- **UF AI Fundamentals and Applications Certificate**
- **NVIDIA Deep Learning Fundamentals DLI Certificate**
- Microsoft Office Specialist Bundle

LANGUAGES
- Native proficiency in English
- Native proficiency in Polish
- Professional working proficiency in Spanish

WORK EXPERIENCE

AI Engineer   *May 2024*
MNX.AI, Tampa, FL
- 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.
- Created a filter to eliminate irrelevant documents from consideration for prompt answering.

Research Trainee | Department of Machine Learning   *May 2023 – April 2024*
Moffitt Cancer Center, Tampa, FL
- Write elaborate functions to automate data pre-processing and data training processes in **Python**
- Employ supervised and unsupervised **machine learning** approaches using the **Scikit Learn**, **Tensorflow**, **Keras**, and **AutoKeras** Libraries, including K-Means Clustering, Random Forest Classification and Regression, and Neural Networks, to identify trends related to colorectal cancer data
- Create visualizations with **Seaborn** and **Plotly** libraries to better understand data and to present findings
- Review past articles related to colorectal cancer (metastasizing to the liver) to identify future areas of study
- Presented my findings to members of the Karolak Lab video calls over the summer during weekly meetings
- Detailed my summer work findings at the **EMERGE Seminar** on August 16th to researchers at the Moffitt Cancer Center Campus in Tampa
- Authored poster presented at the 2nd Annual Moffitt Quantitative Science Division Oktoberfest Scientific Meeting
- Lead as **primary author** on a **review article** about past uses of AI on peritoneal metastasis to gastrointestinal cancers

UNIVERSITY OF FLORIDA SOFTWARE PROJECTS

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.

BitTorrent Clone | Computer Network Fundamentals Semester Project   *September 2023 – December 2023*
- Developed a BitTorrent clone using **Java** that allows peers to connect over a peer-to-peer network architecture
- Worked in an **Agile** environment, meeting weekly with my group to report progress and create new tasks

Club Hub App | UX Design Project   *March 2023 - May 2023*
- Developed low-fidelity paper prototype and high-fidelity prototype using **Figma** for application
- Conducted user interviews during each phase of the project's development, totaling about 20 interviews
- Delegated responsibilities to group members during weekly meetings
- Actively brainstormed project ideas during weekly group meetings

Project Demonstration: https://youtu.be/BuRoxw-tqhY

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** and **SQL** that allows users to network and meet other users from foreign countries of interest
- Designed **RESTful API** for backend server that stores and maintains users in a **MySQL** online database
- Performed **70 user interviews** over the course of the project to obtain user feedback and adjust plans accordingly
- Developed high and low fidelity prototypes of the website interface to show to users to obtain feedback
- Worked in an **Agile** environment, meeting weekly with my group to report progress and create new tasks

Project Repository: https://github.com/AdamWojtul28/CEN3031_Group_Project

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** and **SQL** that allows users learn about commonly used products that have resulted in many injuries
- Created high and low fidelity prototypes of the website to visualize the interface of the application
- Designed **RESTful API** for backend server to allow users to query about products stored in an **Oracle** database

Project Repository: https://github.com/EvanDyson/CIS4301-Product-Injuries

RELATED COURSEWORK

- **COT5615** - Mathematics for Intelligent Systems
- **CAP5100** - Human-Computer Interaction
- **COP5536** - Advanced Data Structures
- **COP5556** - Programming Language Principles
- CNT4007 – Computer Network Fundamentals
- COP4600 – Operating Systems

- EEL3872 – Artificial Intelligence Fundamentals
- CEN3031 - Introduction to Software Engineering
- CEN4722 - User Experience Design
- CIS4301 - Information and Database Systems 1
- COP3530 - Data Structures and Algorithm
- QMB3302 – Business Analytics & AI

INVOLVEMENT

President, Polish Student Association   *April 2023 – Present*
University of Florida, Gainesville, FL
- Plan and coordinate **all POLSA events** and manage funds to organize these events
- Reach out and collaborate with other cultural student organizations on campus during joint events.
- Started initiative to host Virtual Language Nights on Discord to practice speaking Polish for members, collaborating with the University of Warsaw.

Events Chair, Polish Student Association   *August 2022 – April 2023*
University of Florida, Gainesville, FL
- Planned and organized official POLSA events like General Body Meetings and social events

Member, Society of Software Developers   *September 2022 – Present*
University of Florida, Gainesville, FL
- Work with peers to learn about important tools used by programmers, such as GitHub

AWARDS

- University of Florida Dean's List
- National Honor Society
- Florida Bright Futures Academic Scholars Award
- Florida Seal of Biliteracy

- Pinellas County Schools Advanced Scholar
- Palm Harbor University High School Summa Cum Laude
- Florida Department of Education Merit Designation