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Adam Wojtulewski

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EDUCATION

Bachelor of Computer Science | Herbert Wertheim College of Engineering

Expected December 2024

University of Florida, Gainesville, FL

- GPA 3.94/4.00

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

PROGRAMMING LANGUAGES

LANGUAGES

- | | | | |
|-------|----------|----------|---|
| • C | • Golang | • Python | • Native proficiency in English |
| • C++ | • Java | • SQL | • Native proficiency in Polish |
| | | | • Professional working proficiency in Spanish |

WORK EXPERIENCE

Research Trainee | Department of Machine Learning

May 2023 - Present

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

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
- Established preliminary architecture to connect peers with one another, including handshaking procedure
- Added functionality that would allow a peer to obtain file pieces of interest from preferred neighbors and send relevant file pieces to preferred neighbors
- Finalized packaging of the project so that it would be possible to run the code from a remote server

Worldlier (Social Media) App | Introduction to Software Engineering Semester Project

January 2023 - June 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
- Established means for pairing users of similar interests through complex querying
- Incorporated web sockets into the application to allow users to communicate with one another

Project Demonstration: <https://youtu.be/BrdFxvaGe9c>

Club Hub App | UX Design Project

March 2023 - May 2023

- Developed high-fidelity prototype application using **Figma**
- Conducted user interviews during each phase of the project's development, totaling about 20 interviews
- Created low-fidelity paper prototype that demonstrated the app interface and functionality
- Delegated responsibilities to group members during weekly meetings
- Actively brainstormed project ideas during weekly group meetings

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

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 help frontend members design app's interface
- Designed **RESTful API** for backend server to allow users to query about products stored in an **Oracle** online database

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

INDUSTRY CERTIFICATIONS

- **NVIDIA Deep Learning Fundamentals DLI Certificate**
- Microsoft Office Specialist Bundle
- MOS: Microsoft Office Word 2013
- MOS: Microsoft Office PowerPoint 2013
- MOS: Microsoft Office Excel 2013

RELATED COURSEWORK

- 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
- CDA3101 - Introduction to Computer Organization
- COT3100 - Applications of Discrete Structures
- QMB3302 – Business Analytics & AI

INVOLVEMENT

President, Polish Student Association

April 2023 – Present

University of Florida, Gainesville, FL

- Plan and coordinate all POLSA events
- Manage club funds
- Network with Polish universities to help members learn about the Polish culture and language
- Started initiative to host Virtual Language Nights on Discord to practice speaking Polish for members

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 2022
- 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