Wojciech Mazurek

Website: wojciechmazurek.com
linkedin| **(304)216-6100**| wmm0003@mix.wvu.edu

Skills & Abilities

- MATLAB
- Java
- C
- Python
- Data Analysis
- Regression Analysis
- Machine Learning
- SQL/SQLite
- Pandas/numpy
- Artificial Intelligence
- Tensorflow
- Pytorch
- BASIC
- Cybersecurity
- Data Forensics
- Data mining
- Penetration testing
- Cryptography
- Password cracking
- Log analysis
- Network traffic analysis (Wireshark)
- Web app exploitation
- Kali Linux

Work Experience

COMPUTER VISION INTERN | CARGOSHOT INC. | **SEP 2022 - FEB 2023 |**
Processed visual information with machine learning, detecting warehouse pallet objects of a specific class by using artificial intelligence models; Created a prototype computer vision system app using Xcode

GRADUATE TEACHING ASSISTANT | WVU | **AUG 2021 - MAY 2023 |**
Taught CS 111 lab sections and CS 230 (a web development lab); Created lab activities that coincided with weekly lessons; Changed lab material to fit instructors needs; Conducted one-on-one meetings with students; Graded and used automation to detect cheating in multiple larger scale projects given by the instructor

RESEARCH ASSISTANT | CENTER FOR DISEASE CONTROL AND PREVENTION **| JUNE 2019 - AUG 2019 |**
Worked with a team on a research project starting at the testing phase and concluding at the end of the project life cycle**;** Wrote a program that can be used by anyone**;** Built a part of the apparatus that would hold and transport live specimens

WVU ITS DESK STUDENT WORKER | WVU | **JUN 2020 - AUG 2021 |**
Assisted students and faculty with technical issues over the phone or through email using the Team Dynamix Ticketing System; Researched and comprehended multiple WVU systems; Researched new information daily through the WVU knowledge base

Education

MASTER'S IN COMPUTER SCIENCE WITH A FOCUS IN CYBER SECURITY | WVU | **AUG 2021 – AUG 2023**
GPA: 4.00
Relevant courses:

- Advanced Data Mining
- Advanced Networking Concepts
- Computer Data Forensics
- Computer Incident Response
- Computer Network Forensics
- Computer Security Management
- Computer Vision
- Formal Specifications of Languages
- Information Ethics/ Legal Procedures
- Switching Circuit Theory

UNDERGADUATE IN COMPUTER SCIENCE AND COMPUTER ENGINEERING | WVU | **AUG 2017 – MAY 2021**
GPA: 3.81
Relevant courses:

- Artificial Intelligence Principles
- Computer Networking
- Cybersecurity Principles
- Discrete Mathematics and Analysis of Algorithms
- Elementary and Ordinary Differential Equations
- Engineering Economy
- General Computer Science, File and Data Structures
- Introduction to Computer Graphics
- Introduction to Software Engineering
- Introductory Probability & Statistics
- Microcomputer Structure/Interfacing
- Microprocessor Systems and Digital Electronics
- Operating Systems Structure
- Leadership in an International Context

Projects

A Longitudinal Study of Factors that Affect User Interactions with Social Media and Email Spam | WVU |AUG 2021- AUG 2023

Conducted a comprehensive study involving 221 participants to analyze factors influencing user interactions with spam; Designed and administered an online survey to collect demographic information, education background, spam training, and interaction experiences; Performed longitudinal analysis and logistic regression to identify key factors reducing the likelihood of spam victimization; Found that individuals with higher education levels and a STEM background were significantly less likely to interact with or fall victim to spam.

National Cyber League | WVU **| Spring 2022**

Participated in the NCL competition which included practice scenarios that focused on the following: Open-source intelligence, Cryptography, Password cracking, Log analysis, Network Traffic Analysis, Data forensics, Scanning and reconnaissance, Web app exploitation, and Enumeration and exploitation; Scored top 10% in the nation, top scorer in my classes

Finding Anomalies in Anonymous Hospital Data | WVU **| OCT 2021 -DEC 2021**
Was given part of a larger data set with anonymous features and labels; Tasked with finding anomalies using a method of my choice; Used an autoencoder algorithm provided to me on GitHub to find anomalies in the dataset

Text Based Operating System | WVU **| JAN 2020- MAY 2020**
Built an operating system with a team of four using C with no outside libraries; Included multiple Process Control Blocks; Wrote a memory manager in FAT-16 format

University Rover Challenge-Capstone Project | WVU **| AUG 2020 –DEC 2020**
Worked in groups using programs such as SolidWorks to create 3D printed parts; Conducted research to develop the best ways of testing soil samples

Activities/Interests

Repairing electronics, hiking, skiing, travel, wood working, cooking, video editing and photography