

Wojciech Mazurek

Website: wojciechmazurek.com | Morgantown, WV | Willing to relocate
[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 | WEST VIRGINIA UNIVERSITY | 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 IT SERVECES DESK STUDENT WORKER | WEST VIRGINIA UNIVERSITY | 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 | WEST VIRGINIA UNIVERSITY | 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

UNDERGRADUATE IN COMPUTER SCIENCE AND COMPUTER ENGINEERING | WEST VIRGINIA UNIVERSITY | 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 | WEST VIRGINIA UNIVERSITY | AUG 202–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 | WEST VIRGINIA UNIVERSITY | 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 | WEST VIRGINIA UNIVERSITY | 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 | WEST VIRGINIA UNIVERSITY | 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 | WEST VIRGINIA UNIVERSITY | 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