Shahbozbek Hakimov

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Education

University of Florida, Bachelor of Science **Jan 2023 – May 2025**
Major: Computer Science | **Minor:** Anthropology **GPA:** 3.46

- **Relevant Coursework:** Malware Reverse Engineering, Penetration Testing: Ethical Hacking, Data Structures and Algorithms, Computer and Information Security, Introduction to Data Science, Algorithm Abstraction and Design
- **Awards:** 2x Dean's List

Valencia College, Associate of Arts **Jan 2021 – Dec 2022**
Metamajor: STEM **GPA:** 3.72

- **Relevant Coursework:** Differential Equations, Analytical Geometry and Calculus 1, 2, and 3, Physics with Calculus 1 and 2, Intro to Chem
- **Awards:** 3x President's List & 2x Dean's List

Experience

Front-Desk IT Support **Feb 2022 – Feb 2023**
********** **********, FL

- A support role, which required the maintenance of any technical components used by the company, as well as the paperwork relating to the said components (i.e. electronic logging devices, mobile devices, laptops, etc.).
- Provided support both in-person and over the phone.
- Logged and communicated the components through Microsoft Excel.

Projects

GEX | *Zig, C*

- Developing a tool which simplifies the process of intrusion/malware detection by following changes made to the machine in real time and detecting abnormalities through models trained on data collected from the machine.

GatorSec File Integrity Monitoring Tool | *Rust, Tauri, TSX, XML*

- Developed a tool for cyber-security specialists and enthusiasts which provides the ability to track file modifications in real time while being built on a back-end that is memory-safe.
- Created a custom mini-filter driver which filters out the desired data from the Windows file system flow and outputs it into a terminal.
- Implemented a CI/CD pipeline through GitHub Actions which created a custom environment to allow for the code to be tested at each commit.
- Scripted the required installation steps for the MSI installer and EXE files to execute.

Convolutional Neural Network of Brain Scans | *TensorFlow, NumPy, MatPlotLib, Jupyter Notebook, Google Colab*

- Developed an AI/ML model using TensorFlow's Convolutional Neural Network tool-set which predicted the correct diagnosis of tumors through brain scan images at a rate of 90% on average
- Trained with 6000 training images of various sources to avoid bias and tested with 2000 unique testing images, which were also of diverse sources.

Custom Linux File-System | *C, C++, Oracle VM Virtualbox*

- Built a file-system for a Linux machin which manages the creation, modification, and transfer of files and directories within the kernel.
- This file-system was designed as a plug-n-play alternative to the Linux file-system, which allowed directories to be mounted through it.

Competitions

Hackathons: GatorHack (2024), SwampHacks (2025)
Capture The Flag: BlueHens CTF (2024), NullCon CTF (2025), LA CTF (2025), BYUCTF (2025), US CyberOpen (2025), etc.
SwampCTF 2025: Created an OSINT challenge which was played and enjoyed by 100+ competitors in the 2025 SwampCTF competition.

Technical Skills

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Rust, Zig
Tools: Wireshark, tcpdump, Nmap, Snort, Kali Linux, Metasploit, BeEF, John The Ripper, Hashcat, Volatility, Remnux, Ghidra, Burp Suite, Nikto, YARA, x64dbg, OllyDbg, PEStudio, etc.