Tolib Sanni II

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# Experience

* **Prompt Nexus, (A.I Writing and Research Intern)** **August 2023 – Present** 
  + Researching and writing articles about different applications of AI
* **Western Tech, (Network Engineer Intern)** **August 2023 – Present** 
  + Answering questions from students regarding course work with IT-Networking Courses
  + Troubleshooting and restoring desktops, laptop Cisco routers, and switches
  + Inventory management with Excel
  + Assisting IT-Networking teacher with equipment and tasks
  + Nginx web server administrator and developer
* **STEMcx, (Software Engineering Intern)** **June 2023 – August 2023** 
  + Engaged with engineers, companies, and institutions to understand software engineering processes
  + Maintained and enhanced the STEMcx railroad system using Python, C, Arduino, RabbitMQ, SQLite3, and networking protocols
  + Implemented customer-oriented feature "CIS" for train arrival times by studying the system and making required changes
  + Read client specifications, making necessary changes to design documents
* **Software, Magic, & Rainbows, (Software Engineering Intern)** **June 2023 – July 2023** 
  + Collaborated on developing the game "Gilrunners" using the Godot engine
  + Aided in backend development, multiplayer integration, GUI design, and gameplay features
  + Ensured seamless integration of features made by teammates and assets using GDScript and GitHub
  + Biggest contributor to the project (29 commits)

# Education and Certifications

**Certifications**

* CompTIA A+ (March 3, 2023 – March 3, 2026)
* Sololearn Java (February 2023)
* Sololearn C# (March 2023)
* CompTIA Network+ (In Progress)

**Note: Plans to attend a 4 year, currently accepted to the University of Maryland for Computer Engineering**

**Community College of Baltimore County, Cybersecurity June 2022 – August 2024**

* Notable Courses: Object-Oriented Programming, Intro to Programming, C++ Programming, Intro to Networks, Python Programming, Intro to Linux, Intro to firewalls, Advanced Linux Administration
* Awards and Honors: Dean’s List (June 2022 - Present), Phi Kappa Theta Honor Society (June 2023 – Present)

Total Credits: 50

**Western School of Technology, IT-Networking Cisco Academy September 2020 – May 2024**

* Notable Courses: Cisco IT – Essentials, Honors Cisco - Cybersecurity, Honors Cisco CCNA I, Honors Cisco CCNA II, AP Computer Science A, Gifted/Talented Research (AI)

Unweighted GPA: 3.47/4.00

# Extracurricular Activities

**Wolverine Technology Club President & Member September 2021 – Present**

* Leading and mentoring fellow members in projects such as websites, games, and PCBs
* Managing the club budget
* Worked on a Google extension for an AI writing checker, currently working on a club website

**HACKUMBC Participant (UMBC Hackathon) October 2022 – September 2023**

* During the 2022 October Hackathon I worked on a social media website for programmers
  + Uses JavaScript, HTML, and CSS
* During the 2023 September Hackathon I made a website that transcribed audio/video files into text, which would be made into notes along with associated images to help people better grasp the concepts in the notes.
  + Uses Streamlit for Python web development, Beautifulsoup to web scrape for images, and OpenAI’s APIs to transcribe the videos and make the notes, along with the search terms for Beautifulsoup

**IT-Networking Ethical Hacking March 2023 – April 2023**

* Led IT-Networking class of 2024 to bypass passwords for a peer’s security system
  + Found exploits in the OS
  + Created a backdoor for peer

**CyberStart 2023-2024 Ethical Hacking Challenges**

* National Cyber Scholar
* Completed 100+ capture-the-flag challenges

# Skills

* **Programming Languages**: JavaScript, HTML, CSS, Java, Python, C#, C/C++, GDScript, SQLite3
* **System/Network Administration:** Cisco Routing and Switching, PC and Laptop Repair, Nginx Servers, Microsoft Office, Wireshark, Bash Scripting
* **OS Proficiency:** Mac OS, Windows, Linux (Ubuntu, Debian, RedHat, CentOS), Raspberry Pi, Arduino
* **Development Tools:** VS code, Visual Studio, Unity, Godot, Blender, VirtualBox, Git/GitHub
* **Soft Skills:** Hard Working, Driven, Group Leader, Team Player, Creative, Analytical
* **Other:** Research (AI and Cyber Security) Game Development (Unity, Godot, Blender), Command Lines (Linux, Mac, Windows, Cisco Switch, Cisco Router)