

Daniel Tomov

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Obsessed IT Enthusiast with an impressive home lab. Dedicated to learning new things and using known skills to find solutions to everyday problems. Plagued with the overwhelming urge to tinker and figure things out.

Networking Experience

Configured the home network

April 2022 – Present

- Used DHCP and Static Configurations to distribute IP addresses to devices on the network.
- Created port forwarding rules to allow outside traffic access private resources.
- Configured a SonicWall Firewall to allow the private network to access the internet and allow outside sources to access inside servers.

Home lab

April 2022 – Present

- Created an instance of Home Assistant to control smart devices from different vendors and integrate it into a single dashboard. Used Let's Encrypt to generate an SSL certificate to ensure secure communication.
- Created a DNS sinkhole with Pi-hole to monitor requests to the internet. Also used Pi-hole to create DNS A records to access private servers with a FQDN.
- Used Apache Guacamole to create a web application that allows remote access of systems inside a network from the public network.
- Used Nginx to create a reverse proxy to enable access from the public network to the private network to multiple applications while using one port. Applications are secured with a Let's Encrypt Certificate.
- Used Proxmox to create containers to consolidate Nginx, Apache Guacamole, Samba, Jellyfin, and Ubuntu on one machine. Then used Let's Encrypt and Certbot to generate SSL certificates for Proxmox and Nginx.
- Created a dashboard using Heimdall to access services from one place.

Coding Experience

Python

December 2019 - Present

- Created a website with the goal of teaching elementary and middle school students the Python programming language to increase their interest in the fields of STEM. Implements cybersecurity topics such as hashing passwords, session tokens, code sanitization, and others.
- Created a web app that performs similar functions to an Elgato Stream Deck. The app integrates with OBS through obs-websocket to control scenes and sources.
- Created a web app that recommends attractions according to the user's search terms. This was made for the Coding and Programming Topic in the 2022 FBLA Competition.

Java

December 2021 - Present

- Made Minecraft Server plugins based on requests from the Bukkit Forums.

HTML, CSS, and JavaScript

November 2018 - Present

- Created a website that represents an imaginary business called PandaBG. The business sells Bulgarian products such as food, cloths, spices, and drinks. The website was made to apply to The STEM and Technology Academy at Landstown High School.
- Created a personal website to introduce me to potential employers and others interested in learning more about me. The website includes a description about me, my certifications, and accomplishments. The website is hosted with GitHub Pages with a custom hostname and protected with an SSL Certificate.

Cyber Security Experience

Hack the box

April - May 2022

- Completed Starting Point Challenges

Vulnhub

November - December 2021

- Completed the Double Trouble, Mercury, Venus, Earth, ica1, and Vikings vulnerable virtual machines

Capture the Flag Challenges

March 2022 – Present

- Received 5th, 1st, and 2nd places out of all of Virginia schools in Radford CTF challenges organized by Radford University.

- Received more than 40,000 points in CyberStart giving the opportunity to compete for NCSF scholarships.
- Received 3rd place in STEM Trifecta Challenge.
- Received 2nd place in NIST Cybersecurity Career Awareness Week (CCAW)
- Received 2nd place in Annual ODU CyberOps CTF

Cyberstart

October 2021-Present

- Users solve fun hacking puzzles for points. Currently have over 65,000 points

Certifications

CompTIA	Security+ SY-601	May 2022
	Network+ N10-008	(Estimated May 2023)
Microsoft	MTA Database Administration Fundamentals	February 2022
	Microsoft Office 2019 Associate	March 2021
Pearson	IC3 Digital Literacy Certification	November 2019
Juniper	JNCIA-Junos	September 2022
	JNCIA-SEC	(Estimated December 2022)
GIAC	GIAC Foundational Cybersecurity Technologies	September 2022

Education

Technology and STEM Academy at Landstown High School

June 2019-Present

- 12th grade
- Advanced Diploma
- Grade Point Average (unweighted and weighted)
- SAT Score
- Two years of Cybersecurity Class

(Estimated June 2023)

4.0 4.09

1330 (610 Reading 720 Math)

AP Classes

<i>Class Name</i>	<i>GPA (unweighted)</i>	<i>AP Test Score</i>
AP Calculus AB	4.0	4
AP Physics 1	Currently Taking	N/A
AP Government and Politics	Currently Taking	N/A
AP Calculus BC	Currently Taking	N/A
AP Computer Science A	Currently Taking	N/A

Activities

- Mu Alpha Theta
- National Technical Honor Society

Tidewater Community College

February 2022 – May 2022

- ITN101 Introduction to networking

3.7 GPA

Awards and Competitions

Future Business Leaders of America

2022

- Third place in Cybersecurity Competition.
- Second place in Coding and Programming Competition.

Technology Student Association

2022

- Third place in Cybersecurity Capture the Flag Competition.

Marine Advanced Technology Education ROV Competition

2022

- First place in the Mid-Atlantic Region.
- Twenty-Second place in the World Championships.

Principle's List

2022

- Eleven times at Landstown High School

Community Service Activities

Helping a teacher at Kempsville Academy Inc (40 hours / year)

June 2016-Present

After school math tutoring as part of Mu Alpha Theta

2022-2023