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.

Education

Old Dominion University
- Cyber Operations Degree   (Expected June 2027)

Tidewater Community College   **February 2022 – May 2022**
- ITN101 Introduction to networking   3.7 GPA

Advanced Diploma at Governor's STEM and Technology Academy   **June 2019 - June 2023**
- Grade Point Average (unweighted and weighted)   4.0   4.3
- SAT Score   1330 (610 Reading 720 Math)
- Two years of Cybersecurity Class

AP Classes

Class Name	GPA (unweighted)	AP Test Score
AP Calculus AB	4.0	4
AP Language Composition	4.0	-
AP Physics 1	4.0	4
AP Government and Politics	4.0	3
AP Calculus BC	4.0	4 (AB Subscore: 4)
AP Computer Science A	4.0	5

Activities

- Mu Alpha Theta (Math Honor Society)
- National Technical Honor Society
- Science Honor Society
- National Honor Society

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 to private resources.
- Configured a SonicWall Firewall to allow the private network to access the internet and allow outside sources to access private services.

Home lab   **April 2022 – Present**
- Used Cloudflare Zero Trust to generate a tunnel to ensure secure communication between clients and the Home Lab. Installed client certificates to further control which devices can access the Home Lab.
- Used Home Assistant to control smart devices from different vendors and integrate them into a dashboard.
- Used Pi-hole to create a DNS sinkhole, monitor DNS requests to the internet, and create DNS A records to access private servers with a FQDN.
- Used Apache Guacamole to control systems through a web browser.
- 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, Home Assistant, Tailscale, PiHole, and Ubuntu on one machine.
- 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 field of STEM. Implements cybersecurity topics such as hashing passwords, session tokens, code sanitization, e-mail verification, and others. Codemonkey

- 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. [PythonStreamDeck](#)
- 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. [FBLACompetition2022](#)

Java   **December 2021 – February 2022**
- Made Minecraft Server plugins based on requests from the Bukkit Forums. [View on GitHub](#)

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. [PandaBG](#)
- 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. [Website](#)

Cyber Security Experience

Hack the Box, TryHackMe, and Vulnhub   **April - May 2022**
Capture the Flag Challenges   **November 2021 – Present**
- Received 5th, 1st, and 2nd places out of all of Virginia schools in RUSecure CTF challenges organized by Radford University (2021-2022)
- Received 1st place out of all of Virginia schools in RUSecure CTF challenges organized by Radford University in both Qualifying and Final Rounds (2023)
- Received more than 145,000 points in CyberStart
- Received 3rd place in STEM Trifecta Challenge 2021
- Received 2nd place in NIST Cybersecurity Career Awareness Week (CCAW) 2022
- Received 2nd place in ODU CyberOps CTF 2022
- Received 1st place in Longwood CTF 2023

Certifications

CompTIA	Security+ SY0-601	May 2022
	Network+ N10-008	May 2023
	CySA+ CS0-003	November 2022
Microsoft	MTA Database Administration Fundamentals	February 2022
	Microsoft Office 2019 Associate	March 2021
PearsonVue	IC3 Digital Literacy Certification	November 2019
Juniper	JNCIA-Junos	September 2022
GIAC	GIAC Foundational Cybersecurity Technologies	September 2022
	GIAC Security Essentials Certification	September 2023

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
- First place in the Mid-Atlantic Region (2022)
- First place in the Mid-Atlantic Region (2023)
- Twenty-Second place in the 20th World Championship
- Twenty-Eighth place in the 21st World Championship

Principle's List   **2022**
- Fourteen times at Landstown High School

The National Cyber Scholarship Foundation
National Cyber Scholar with Honors (2022 and 2023)

Community Service Activities

- Helping a teacher at Kempsville Academy Inc (40 hours / year)   June 2016 - June 2023
- After school math tutoring as part of Mu Alpha Theta (20 hours)   2022-2023
- Other in-school opportunities (10 hours)   2022-2023