

# 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

- ITN101 Introduction to networking

**February 2022 – May 2022**

3.7 GPA

### Advanced Diploma at Governor's STEM and Technology Academy

- Grade Point Average (unweighted and weighted)
- SAT Score
- Two years of Cybersecurity Class

**June 2019 - June 2023**

4.0 4.3

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 Language Composition	4.0	-
AP Physics 1	4.0	N/A
AP Government and Politics	4.0	N/A
AP Calculus BC	4.0	N/A
AP Computer Science A	4.0	N/A

### 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 it into a single 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 5<sup>th</sup>, 1<sup>st</sup>, and 2<sup>nd</sup> places out of all of Virginia schools in RUSecure CTF challenges organized by Radford University (2021-2022)
- Received 1<sup>st</sup> 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 140,000 points in CyberStart
- Received 3<sup>rd</sup> place in STEM Trifecta Challenge.
- Received 2<sup>nd</sup> place in NIST Cybersecurity Career Awareness Week (CCAW)
- Received 2<sup>nd</sup> place in Annual ODU CyberOps CTF
- Received 1<sup>st</sup> place in Longwood 2023 CTF

## Certifications

CompTIA	Security+ SY-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

## 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)
- Twenty-Second place in the 20<sup>th</sup> World Championship
- First place in the Mid-Atlantic Region (2023)
- Twenty-Eight place in the 21<sup>st</sup> 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