NICOLAS TURNER

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OBJECTIVE

- Diligent Computer Science student with a 3.43 GPA, seeking a summer internship related to computer science, data science, or cyber-security to contribute to corporate environments and to enhance technical background. Delivering excellent communication and collaboration skills along with a strong understanding of Python, Java, and computer networking.

EDUCATION

VIRGINIA TECH

Blacksburg, VA
Aug. 2022 - May 2026

- B.S. Computer Science in Secure Computing and Cyber-Security.

TECHNICAL SKILLS

Languages	Operating Systems	Tools
- Java	- Linux	- Raspberry Pi
- Python	- Unix	- Kali Linux
- C	- Microsoft Windows	- Cisco Packet Tracer
- JavaScript	- macOS	- Wireshark
- HTML/CSS	- iOS	- SolidWorks
- R		- Microsoft Office

PROJECTS

- **Personal Website:** Designed and developed a personal website using agile methodology, showcasing expertise in *HTML*, *CSS*, and *JavaScript*. Features responsive desktop/mobile navigation, dynamic sliders, and seamless animations, highlighting proficiency in user-centric interface design and front-end development technologies.
- **Full-Stack Development:** Applied a recursive algorithm to seamlessly solve the infamous Tower of Hanoi puzzle. Designed and implemented an interactive, user-friendly GUI. Engineered a custom stack linear data structure in *Java* to efficiently manage puzzle movements.
- **Cyber-Security:** Demonstrated a network attack known as a Rogue Access Point/Evil Twin, providing unauthorized wireless access to the network's wired infrastructure using *Kali Linux* and *Raspberry Pi*. Demonstrated mitigation techniques and countermeasures.
- **Computer Networking:** Advanced *Cisco* networking tools such as routers, switches, and network protocols. Managed computer networks, including intranets, extranets, focusing on optimizing LANs & WANs, reducing costs, and providing remote access solutions.
- **Artificial Intelligence/Machine Learning:** Developed an artificial intelligence/machine learning application to autonomously play *Tetris* in *Java*. Implemented core features such as recognizing patterns of object components, calculating object orientations, and executing real-time optimizations.

EXPERIENCE

- **PYTHON PROGRAMMING TEACHING ASSISTANT**

  Blacksburg, VA
  Dec. 2023 – Current

  Facilitated learning in "*Programming in Python*", a course emphasizing *Python* concepts, data structures, and object-oriented programming. Guided students through complex problem-solving, debugging techniques, and ethical implications in computing, preparing them for roles in data science and technology.

- **VIRGINIA TECH TRACK & FIELD ASSISTANT COACH**

  Blacksburg, VA
  Jun. 2022 - Current

  Utilized *R* for data-driven performance analysis and maintained detailed records of student-athletes' statistics and achievements. Contributed to the Men's & Women's team victories at the 2023 ACC Indoor Track & Field Championships.

AWARDS & UNIVERSITY INVOLVEMENT

Scholarships Awarded	University Involvement & Leadership Roles
- Joyce-Gillespie-Harrington	- National Society of Black Engineers (NSBE) - Undergraduate Council Leader
- Psi Rho Omega Educational Foundation	- ColorStack Fellow
- Omega Psi Phi Educational Foundation	