DOMINIC J. MEOLI III

200 Cedar Pointe Dr, Apt. 418
Blacksburg, VA 24060

djmeoli3@vt.edu (610) 389-8990
Website: djmeoli3.dev

SUMMARY

Academic senior pursuing a degree in computer engineering with concentration in machine learning and robotics at Virginia Polytechnic Institute and State University. Recognized for adept leadership, interpersonal skills, strong verbal and written communications, and organizational abilities. Seeking a technical role to advance my understanding of computer engineering applications and related disciplines.

EDUCATION:

School: Virginia Tech, Blacksburg, VA
Degree: Bachelor of Science
Major: Computer Engineering
Minor: Disabilities Studies
Expected Graduation: May, 2026
GPA: 3.5
Relevant Coursework: Embedded Systems, Computer Architecture, Digital Systems, Physical Electronics, Data Structures and Algorithms, Technology and Disability

SECURITY CLEARANCE: Top Secret in Adjudication

EXPERIENCE:

Huntington Ingalls Industries Mission Technologies — May 2025 – Present
Hardware/Software Engineering Intern — May 2024 – August 2024

- Tasked with research oriented proposal work to learn and understand various methods for obtaining sensitive information from microprocessors and FPGAs.
- Performed practical work with hardware and software reverse engineering technology, including tools to identify FPGA structures and surpass security protocols.
- Developed a data analysis tool in python to graphically represent electrical connections and component clusters of unidentified devices based on data received from a computer vision pipeline.

Virginia Tech 3D Prototyping Studio — November 2023 – May 2025
Fabrication Attendant/Technical Consultant

- Provided technical support to aid design and implementation processes for Mechanical Engineering design teams.
- Mentored patrons of all ages in the effective use of technical tools and equipment, fostering hands on learning of applicable knowledge.
- Designed, documented, and taught a practical, beginner friendly electronics workshop to students and faculty.
- Developed expertise in repairing, modifying, and utilizing multiple types of 3D printers.

Assistive Robotics Lab — January 2024 – May 2024
Mechanical Engineering Undergraduate Research

- Configured and integrated motor controllers in a mechanical system to enhance capabilities of an exoskeleton.
- Gained experience working in an interdisciplinary engineering environment.

Army Cyber Institute — June 2022 – July 2022
Research Intern

- Conducted team-based data collection, modeling, and analysis on the applications of neural networks to perform cryptography by modifying behavioral patterns of Python based algorithms.

Corps of Cadets — October 2021 – March 2023
Cyber and Information Officer

- Acquired foundational cybersecurity skills including manipulating Linux systems, encryption/decryption, scripting (Python/Bash), reverse engineering, deploying malware, and computer forensics.
- Integrated digital tools to ensure timely and accurate information dissemination for a battalion of ~300 senior military college cadets and advisors, reducing administrative processing timelines from two weeks to one hour.