# James M. Hawley

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## Education

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| **University of Virginia** | **Charlottesville, Va** |
| B.S. Computer Science & B.A. Economics | **August 2025 – Present** |
| **GPA: 3.894** | |

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| **Trinity Preparatory High School** | **Winter Park, Fl** |
| GPA: Weighted 4.42 / Unweighted 4.11 | **August 2021 – May 2025** |

## Work Experience

**Lockheed Martin Missiles and Fire Control** — **Orlando, Fl**
*High Performance Computing Intern* — **March 2023 – Present**

Spearhead the development and optimization of high-performance computing (HPC) clusters to accelerate large-scale simulation and data rendering tasks. Engineer and deploy scalable compute nodes, increasing data processing capabilities for advanced R&D initiatives. Collaborate within a secured, AGILE environment, leveraging a government-level secret clearance to handle highly confidential projects and proprietary technology.

**Full-Stack Web Application** — **Winter Park, Fl**
*Founder & Lead Developer* — **November 2021 – May 2025**

Founded and launched a web platform that became the most successful student project in Trinity Preparatory School's history, lead team of 25 members. Achieved daily engagement from 600 users and surpassed 420,000 total views. Engineered key features including a sponsor management system to generate new revenue streams for the student council and a secure platform for official digital elections. Administered an encrypted SQL database, scaling to manage over 32,000 user accounts.

## Leadership Experience

**Engineering Student Council** — **Charlottesville, Va**
*First Year President, UVA* — **August 2025 – Present**

Direct all social, professional, and academic programming for the UVA first-year engineering class, administering a $20,000 annual budget. Oversee a 30-member committee to implement student engagement strategies, successfully increasing event turnout across all initiatives.

**Student Body Executive** — **Winter Park, Fl**
*Treasurer* — **August 2024 – May 2025**

Directed all student-body finances by managing transactions, coordinating fundraising, and securing corporate sponsors. Simultaneously chaired three major committees—Faculty Appreciation, Homecoming, and Class Cup—to organize key school-wide events.

## Achievements

- 1st place: Lockheed Martin CyberQuest 2023 & 2nd place: Lockheed Martin CyberQuest 2024
- 3rd place: Silver League Cyber Patriot National Competition 2023 & Cyber Launch 2024
- 3rd place: Lockheed Martin Code Quest Advanced Competition 2023; 3rd place: University of Florida Programming Competition 2023; 22nd place: University of Central Florida Online Programming Competition 2022

## Skills & Projects

- Built an AI/ML model for real-time animal classification
- Programming: C++, HTML/CSS, Java, JavaScript, Python, R, SQL, Swift, TypeScript
- Frameworks & Technologies: Ansible, Arduino, AWS, Blender, Docker, Flutter, GCP, Git, Kubernetes, Linux CLI, Next.js, Node.js, PyTorch, React, TensorFlow, Unity, Unreal Engine, Windows AD