

Devyn N. Hopkins

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Education

Virginia Tech, Blacksburg, VA

B.S. Computer Engineering, Computer Science Minor

Expected graduation: Fall 2025

GPA: 3.32/4.00

Experience

Naval Information Warfare Center Atlantic, Student Intern, 40 hours per week June 2024 to August 2024

- Collaborated with a 10 member team to develop and implement metadata collection software for the organization of company data
- Recorded the functionality of two tier 2 and tier 3 QlikSense metadata collection programs from my team's in order to document the possible ways to refactor it

Socha Lab, 10 hours per week November 2022 to December 2023

- Conducted research under the guidance of professors to better study animals and their bodily functions to provide a reason for how it works, and the potential future applications.
- Collaborating with a team that handles creating 3D representations of insect anatomy in an effort to learn more about their biology and biological functions.

Undergraduate Fellowship, 10 hours per week June 2023 to August 2023

- Collaborated with a research team to create segmented x-ray images of the insect trachea in order to gather detailed measurements and 3D models for simulation.

Activities and Affiliations

Science Olympiad at Virginia Tech, 7 hours per week

Volunteer Committee Vice Chair

April 2023 to Present

- Coordinate with four members on the committee to construct the assignment, training, and recruitment of local volunteers to host science olympiad tournaments on Virginia Tech's campus
- Communicate with over 80 members in the general body about how effectively volunteer through training meetings held before the tournament

VT CRO, Active Member, 7 hours per week

February 2023 to Present

- Collaborate with a team of 11 undergraduate engineers to design autonomous robots that compete in an annual tournament hosted by the technical organization IEEE
- Developed a deeper and nuanced understanding of embedded systems and microcontroller communication by implementing ROS2 with XML and C++
- Utilized C++ for servo motors and infrared sensors to integrate the applications that will be modified onto the robot

Galileo/Hypatia Living Learning Community

August 2023 to Present

Mentor, 4 hours per week

- Led a group of 10 freshmen engineers in weekly discussions by providing updates within the Virginia Tech community to ease them into their first semester as college freshmen
- Guided freshmen engineers on how to efficiently approach engineering-based problems and disciplines

Upperclassman Leader, 4 hours per week

- Hosted and supported 12 STEM-based outreach events across Fall and Spring semester on Virginia Tech campus for k-12 students around Southern Virginia to teach help encourage their engagement in STEM-based activities
- Managed groups of 8-12 college freshmen by delegating different volunteering tasks in order to run the k-12 outreach events

Galipatia Student Leader, 10 hours per week

- Co-Lead weekly committee meetings with a group of three sophomores to create and implement semester long projects for the benefit the Galileo/Hypatia community
- Delegate tasks to a group of students, and teach them about the frontend and backend components of creating a web-app

Skills

- Proficient in coding in Java, C/C++
- Academic experience coding in Python, MATLAB, HTML, CSS, Javascript, XML