David Dimmett

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Education

University of Virginia, Charlottesville, VA   **Graduating May 2022**
School of Engineering and Applied Science
- Bachelors of Science, Computer Science
- Relevant coursework: Software Development Methods, Program and Data Representation, Discrete Mathematics, Computer Architecture, Foundations of Data Analysis

Launch Academy at HackCville, Charlottesville, VA   **Jan. 2019-Present**
Advanced Software Development Program

Experience

Mechatronics and Robotics Society, Charlottesville, VA   **Sept. 2018-Present**
Computer Team Member
- Collaborate on a team of around 5 students to design and implement the software for a mining robot
- Utilize ROS libraries for Python and C++ to create an interface that transmits and interprets inputs from a gamepad to the robot's onboard computer

Computer and Network Security Club, Charlottesville, VA   **Sept. 2019-Present**
Member
- Attend weekly meetings on topics ranging different aspects of cybersecurity including threat intelligence, network security, password hashing, and others.
- Participate in online cybersecurity competitions with other club members. Complete challenges to earn competition points involving cryptography, shellcode, and other strategies

Archemedx, Inc., Charlottesville, VA   **May 2019-Aug. 2019**
Student Software Tester
- Worked on a small team with two other testers to test a web application based on expected behavior
- Filed bug tickets detailing reproduction steps and error information
- Collaborated with other testers to draft a testing strategy outlining necessary steps to test each feature of the app upon a new release

Skills

Languages: Proficient in Python, Java, JavaScript, C++, and shell scripting.
Platforms: Linux, Windows, Docker

Awards

Capital One Coding Challenge   **May 2019**
Winner
- Developed a Django based web application that uses a form model to query data from a NASA provided API that serves the organization's collection of media.
- Created a user interface using Bootstrap and Jinja templating that consistently displays image and image data