

Shreyas Mayya

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Experience

- **University of Virginia Department of Computer Science** **Charlottesville, VA**
Undergraduate Teaching Assistant 1/2023 – Present
 - Serve as a teaching assistant for UVA CS 3140 "Software Development Essentials", a computer science program requirement with over 450 students in the Spring 2023 semester. The course teaches students about technologies and best practices associated with software engineering.
 - Hold office hours, help students debug code, proof-read exams, and grade assignments.
 - **Thomas Jefferson High School for Science and Technology** **Alexandria, VA**
Lead Student Systems Administrator 6/2021 – 6/2022
Student Systems Administrator 5/2019 – 6/2022
 - Maintained and managed critical technology at the TJHSST Computer Systems Lab – including over 30 servers, 60 workstations, and two high-performance computing clusters – as part of a highly exclusive team. Services provided by the CSL include TJHSST's internally-developed intranet, web hosting, email, and cluster access.
 - Implemented an annual password reset requirement, reorganized TJHSST's DNS configuration, and led a technology refresh of the lab in collaboration with school and district IT professionals, effectively improving lab security and reliability.
 - Mentored junior team members and demonstrated a willingness to develop innovative solutions and handle sensitive operations, resulting in a promotion to Lead Student Systems Administrator for the 2021-22 school year.
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Education

- **University of Virginia** **Charlottesville, VA**
Bachelor of Science, Computer Science 8/2022 – Present
 - GPA: 4.000/4.000
 - *Activities and societies:* Computer and Network Security, Association for Computing Machinery, Science Olympiad, Cavalier Symphony Orchestra, *The Cavalier Daily*
 - **Thomas Jefferson High School for Science and Technology** **Alexandria, VA**
Advanced Studies Diploma 8/2018 – 6/2022
 - GPA: 4.435/4.000
 - *Activities and societies:* Science Olympiad, HackTJ, Marching Band, Latin Honor Society
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Awards and Certifications

- **Amazon Web Services Certified Cloud Practitioner** 1/2023
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Projects

- **Duosmium Results** 10/2020 – Present
 - Maintain highly popular (approx. 7,000 users/month) results archive and publisher for Science Olympiad, a nationwide science competition. The Duosmium platform has been used by tournaments around the country, including the Virginia and Southern California state chapters and the 2022 National Tournament.
 - Develop website (written in JavaScript and 11ty with Bootstrap-based front-end), source historical data, and collaborate with organizations using the platform for their tournaments.
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Technical Skills

- **Highly Skilled:** Linux operating systems and Unix systems administration; networking systems including Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP)
- **Skilled:** Python and Java languages; Git version control tool; Ansible automation tool; Docker containerization software; Microsoft Excel spreadsheet software
- **Proficient:** Bash, C++, JavaScript, Ruby, Rust, and SQL languages; Django and Ruby on Rails web frameworks; Amazon Web Services cloud platform; Elasticsearch logging software