Shreyas Mayya

(703) 855-9389 • shreyas@smayya.me • linkedin.com/in/smayya337

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 490 students in the Fall 2023 semester. The course teaches students about technologies and best practices associated with software engineering.
  - Answer questions during office hours, help students debug code, and grade assignments and exams.

- **Thomas Jefferson High School for Science and Technology** **Alexandria, VA**
  Lead Student Systems Administrator *5/2019 – 6/2022*
  - Maintained and managed critical technology at the TJHSST Computer Systems Lab – including over 30 servers, 90 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.
  - Led a thorough modernization of the CSL's infrastructure, including procuring replacements for aging power supplies and servers, migrating the school to a new identity management platform, and designing an internal security model that effectively limits unauthorized access to systems and data.

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*

Awards and Certifications

- **4th Place, 2023 National Collegiate Cyber Defense Competition** *4/2023*
  - Specialize in Linux systems defense and SIEM on the University of Virginia's CCDC team, which won first place at the 2023 Mid-Atlantic CCDC regional tournament and placed fourth out of ten teams at the 2023 National Collegiate Cyber Defense Competition.
  - The competition involves defending an enterprise-scale network from highly skilled adversaries, performing business tasks, and interacting with company executives, employees, and clients.

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

Projects

- **Duosmium Results** *10/2020 – Present*
  - Maintain results archive and publisher for Science Olympiad, a nationwide science competition. The Duosmium platform has 10,000 active users/month and is used by organizations around the country, including the Virginia and Southern California state chapters and the 2022 Science Olympiad National Tournament.
  - Lead redesign of website using TypeScript, Next.js, PostgreSQL, and Tailwind CSS, incorporating user feedback while focusing on performance and ease of use.

Technical Skills

- **Highly Skilled:** Linux, Unix systems administration
- **Skilled:** Docker, Git, Java, Microsoft Excel, Python
- **Proficient:** Amazon Web Services, Ansible, Bash, C++, Django, ElasticSearch, JavaScript, Rust, SQL, TypeScript