

MILES SPENCE

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EDUCATION

MEng: **Computer Science**, expected May 2023

Virginia Tech - Blacksburg, VA

- Cumulative GPA: 3.94
- Specialization in Software Development and Applications.
- Coursework including Software Engineering, Software Design and Quality, Programming Languages, Web Application Development, User Interface Software, and more.
- Received Virginia Tech Talent Graduate Scholarship.

B.S: **Computer Science**, graduated May 2021

University of Mary Washington - Fredericksburg, VA

- Minors in Mathematics and Cybersecurity.
- Cumulative GPA: 3.62 and Major/Minor GPA: 3.71
- Coursework in Software Engineering, Data Structures & Algorithms, and OS & Programming.
- Member of Honors Program, in which I designed and created Honors Capstone Project of an epidemiological simulation of COVID-19 using Python.
- Recipient of Presidential Scholarship and graduated Magna Cum Laude.

WORK HISTORY

SOFTWARE DEVELOPMENT COOP 05/2022 to Present

Peraton Inc., Blacksburg, VA

- Worked as a full stack developer for an internal research & development project that is actively used by government agencies such as CISA.
- Operated effectively within the Secured Agile Framework with a software development team.
- Completed over 20 stories for the project I worked on, ThreatBoard, including bug stories, new feature stories, backend stories, and frontend stories.
- Contributed ideas and new features for ThreatBoard and identified previously unknown bugs.
- Utilized JavaScript, HTML, CSS, Java, Python, Git, Bash, and Docker throughout development.

SOFTWARE DEVELOPMENT INTERN 05/2021 to 07/2021

EMR Technical Solutions, Edmond, OK

- Designed and created the front and backend of a web application using the Django framework, Bootstrap, and Postgres database. Utilized Python, HTML, CSS, and JavaScript for the project.
- Constructed the database using real-life data of over 6 million entries, which required generating creative solutions because of erroneous data and efficient code to keep the application quick.
- Fulfilled all project requirements by each deadline, which included adjusting the appearance and functionality of the application based on peer and supervisor feedback.
- Required self-teaching to learn many elements of the project, including learning Django.

SKILLS

- Very experienced with HTML, CSS, JavaScript, SQLs, Bash, Java, and Python. Some experience with PHP, C, C++, Go, Kotlin, and JSON.
- Advanced Mathematics knowledge, including Calculus, Linear Algebra, Discrete Mathematics, Differential Equations, and others.

ACTIVITIES & AWARDS

- Received Amazon Web Services Cloud Practitioner and SAFe Agilist certifications in 2022.
- Second place finish out of 15 participants at UMW's 2021 ACM Hack-a-thon, as well as best Data Analysis Project at UMW's CPSC Extravaganza for Honors Capstone Project in 2021.
- Member of UMW's Cross Country and Track teams and Conference All-Academic Team in 2018.
- Contributed over 400 hours of volunteer service over the past eight years.