Emma Spinale

781.697.4381
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EDUCATION

UNIVERSITY OF RICHMOND

Bachelor of Science
Math/Computer Science
Expected May 2021 — Richmond, VA
Overall GPA: 3.9
Dean's List
Phi Eta Sigma Honors

Selected Courses
Multivariate Calculus
Probability Theory
Linear Algebra
Abstract Math
Simulation in R
Data Structures
Discrete Structures
Algorithms
Databases
(Completed by Summer 2020)
Software Systems Development
Computer Organization
Abstract Algebra
Differential Equations
Numerical Analysis

SKILLS

LANGUAGES

Python
Java
C++
SQL
R
TeX
JavaScript
HTML/CSS
Shell
MIPS
PHP

CONTACT

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  Wellesley, MA 02481

EXPERIENCE

THE MITRE CORPORATION — Cybersecurity Software Engineering Intern
May - August 2019 — Bedford, MA

- Created a secure, scalable, internal self-service platform for data ETL, storage, analytics, and exploitation
- Constructed the data ingest process and designed an advanced schema in MySQL through Amazon RDS
- Collaborated with a small team using agile software development methods to promote responsibility and accountability

UNIVERSITY OF RICHMOND — Writing Consultant
Winter 2018 - Present — Richmond, VA

- Spend 8-10 hours weekly meeting with students, editing essays, and providing feedback.
- Selected via appointment by english faculty due to excellence in academic writing.
- Completed 40 hour intensive training course to refine editing and communication skills.

UNIVERSITY OF RICHMOND COMPUTER SCIENCE DEPARTMENT — Lab Assistant
Winter 2020 - Present — Richmond, VA

- Aid fellow Computer Science students in developing problem solving skills and algorithmic intuition.
- Identify, explain, and help correct bugs in students' Python, Java, and C programs.

UNIVERSITY OF RICHMOND MATHEMATICS DEPARTMENT — Undergraduate Research Team Member
Fall 2018 - Spring 2019 — Richmond, VA

- Worked with a small team of students and faculty to create further breakthroughs in the field of coding theory.
- Identified and developed strategies to reduce errors in long-distance communication signals.

LEADERSHIP & ACTIVITIES

SPIDERS AGAINST SEXUAL ASSAULT AND VIOLENCE — Member
Fall 2017 - Present — Richmond, VA

- Work closely with administration to raise awareness of and propose solutions to the issue of sexual assault on college campuses.
- Successfully lobbied administration to expand their sexual assault resources on campus.
- Worked with Title IX coordinators to develop training and workshops for students and faculty to address issues around sexual violence.