

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: 3.92

Dean's List

Phi Eta Sigma Honors

SELECTED COURSES

Probability Theory

Abstract Math

Simulation in R

Data Structures

Discrete Structures

Algorithms

Databases

Software Systems Development

Computer Organization

Abstract Algebra

Differential Equations

Machine Learning

Real Analysis

Programming Languages

(In Progress)

Math and Democracy

Computer Security

Statistical learning

SKILLS

LANGUAGES

Python

Java

C++

C

SQL

R

TeX

JavaScript

HTML/CSS

Shell

MIPS

PHP

CONTACT



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Wellesley, MA 02481

EXPERIENCE

HUBSPOT, INC. — SOFTWARE ENGINEERING INTERN

June - August 2020 — Cambridge, MA

- Automated processes in order to enable data analysts to make successful business decisions.
- Designed and implemented creative solutions to problems that arise when dealing with large amounts of sensitive data.

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 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 — 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 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.