**Brian Farrell**

Raynham, MA | brianfarrell800@gmail.com | (508) 386-6012

**EDUCATION**

**Stonehill College** | Easton, MA Anticipated Graduation: May 2024

Candidate for Bachelor of Science Degree

**Major:** Computer Science | **Minor:** Mathematics | **GPA:** 3.66

**Honors:** Shields Merit Scholarship, Moreau Honors Scholar, Dean’s List (3 semesters)

**SKILLS**

**Computer Languages:** Java, Python, C++, R, JavaScript, HTML, CSS

**Software:** Mac OS, Linux/Shell, GitHub, Visual Studio Code, Microsoft Word, PowerPoint, Google Docs, Slides

**PROJECTS**

**Learning Community: Mathematical Experiments in Computer Science**

* Developed Algorithms for multiple complex mathematical problems
* Designed lab reports to demonstrate the connection between the mathematical proofs and the algorithms

**Computer Logic and Organization**

* Constructed functional basic computer from scratch using breadboard
* Collaborated with a group for this semester long project

**RELEVANT COURSEWORK**

Artificial Intelligence, Operating Systems, Algorithms and Complexities, Data Structures, Web Programming, Computer Logic and Organization, Learning Community: Mathematical Experiments in Computer Science, Cybersecurity, Linear Algebra and Differential Equations, Multivariable Calculus, Theory of Computation, Discrete Mathematics I & II

**WORK EXPERIENCE**

**Center for Writing and Academic Achievement** | Stonehill College August 2022 - Present

*Tutor, Computer Science and Math*

* Instruct students one-on-one to promote a better understanding of concepts in computer science and math courses
* Identify specific coding or mathematical mistakes made by students and correct them

**Teaching Assistant** | Stonehill College

*Computer Science I* August 2022 – December 2022

* Host review sessions for all sections to help students struggling with homework programs better understand the basic concepts of Computer Science

*Computer Science II*  January 2023 – May 2023

* Assist students with challenges they face while working on the weekly programming assignments

*Computer Logic and Organization* August 2023 - December 2023

* Offer weekly review sessions to help students better understand the concepts of the course and assist with the semester-long breadboard project

**Lowes Home Improvement** | Raynham, MA May 2022 - August 2022

*Front End Sales Associate*

* Assist customers in an efficient manner while satisfying any concerns

**COLLEGIATE ACTIVITIES**

**Association for Computing Machinery** | Stonehill College August 2020 - Present

*Member*

* Active member of the Stonehill College ACM chapter
* Attend bi-weekly meetings and workshops about various topics in computer science

**VOLUNTEER EXPERIENCE**

**Oscar Romero Center** | Camden, NJ February 2019

* Learned about unique problems of Camden, NJ through Oscar Romero Center
* Participated in several service opportunities, ranging from helping at nursing home to packaging food for nutrition company

**My Brother’s Keeper** | Easton, MA September 2017 – November 2018

* Helped in many ways depending on the day. Tasks ranged from wrapping presents for children to helping unload truck full of food