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