

Timothy O'Leary

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EDUCATION

Bridgewater State University | Bridgewater, MA

Aug 2019 - May 2023

B.S. in Computer Science, B.S. in Physics & Astrophysics, Minor in Mathematics

GPA: 3.872/4.000

Relevant Courses: Web Development, Computer Networks, Computer Forensics, Programming Languages, Computer Science II, Computer Organization, Data Structures and Algorithms, Physics II, Linear Algebra, Calculus II, Multivariable Calculus, Differential Equations, Discrete Mathematics, Statistical Methods I, Oral Interpretation

SKILLS & INTERESTS

- **Technical:** Java, Git, Python, C#, Assembly Code, html, CSS, JavaScript, Node
- **Interests:** Virtual Reality, Augmented Reality, General Technology (building computers, building servers, news, etc.), Astronomy/Space, Chess, Cultural Exploration

ACTIVITIES

Website | Bridgewater, MA | Web Developer

Jan 2021 – Present

- Developed a webpage using knowledge of html, CSS, and JavaScript to gain more experience and apply knowledge from school.
- Overcame various challenges involved with coding a website from scratch
- Incorporating new ideas and knowledge from class to add onto, fix, or alter my website to make it more user friendly and visually appealing.

WORK EXPERIENCE

Computer Science Department | Bridgewater, MA | Research Assistant

June 2021 – Aug 2021

- Collaborate with a group of people to develop a program based around augmented reality
- Incorporate programming knowledge to assist myself and my peers
- Research new information and ideas in programming to help overcome challenges

Bear's Team, BSU | Bridgewater, MA | Research Member

Sept 2021 - Present

- Work with fellow students to do research on a variety of interstellar objects including stars, clusters, black holes, supernova, planets and quasars.
- Use of modern equipment including a spectrograph and telescope to take images of the night sky and have a variety of troubleshooting knowledge for when issues arose.
- Interpret and analyze of data to draw conclusions about our research.

Physics Department, BSU | Bridgewater, MA | Assistant Teacher

Sept 2021- Dec 2021

- Aid other students in class by teaching them ways to analyze and accomplish various physics problems.
- Assist the professor in class by helping to prepare for classes and labs and even teaching class if they were unable to.
- Using knowledge and resources to prepare myself for a teaching role and learn more about the material I was teaching and make sure the other students got what they needed to succeed.