

Brian Muhic

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Current address:

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Permanent address:

769 Bowman Lane
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EDUCATION:

Virginia Tech, College of Engineering

Bachelor of Science Major: Computer Science

August 2022 – Present

Overall GPA: N/A

Relevant Classes:

Calculus of a Single Variable, Foundation of Physics, Introduction to Software Design, and Foundations of Engineering

Moorestown High School

September 2018 – June 2022

Cumulative GPA: 3.95 (Honors)

Awards and Experience:

- Double Category Award Winner at the HackDown 2021 Hackathon hosted by Kappa Theta Pi at The College Of New Jersey
 - Awards
 - Best Space App powered by Space Force
 - Best Sustainability Hack
 - This project consisted of a multi-purpose environmental sensor system, designed to maintain a dynamic equilibrium for confined environments and outer space. An interactive website displayed the data from the sensors and sent alerts if any values approached dangerous ranges.
- Participated in Lockheed Martin Code Quest
 - Designed and programmed solutions to various math and science problems
- Honors Robotics
 - Designed and constructed drive trains
 - Designed and constructed robots to achieve different tasks:
 - The robot was required to crack an egg on another robot while protecting its own egg from the other robot
 - The robot was required to complete an obstacle course as quickly as possible
 - The robot was required to pick up a tennis ball, move it to the target, then launch it into the air through a hoop
 - Created the code to fulfill the responsibilities of the robots
 - Experience with circuit boards and soldering components onto a circuit board
- Recipient of high school computer science graduation award
 - An award that is voted on by the computer science department to reflect a student with exceptional achievement in the field of computer science
- Created a Tetris AI
 - The AI evaluated all rotations of the current piece and selected an optimal position based on the current layout of the playing board by utilizing different algorithms
- AP Computer Science A (5 on AP test)
- AP Computer Science Principles (4 on AP test)

Skills: Time Management, Leadership, Problem Solving, Java, Python, MATLAB, JavaScript, Node.js, Ruby