# Brian Muhic

Website: brianmuhic.github.io | 609-922-6437 | brianmuhic@vt.edu | 769 Bowman Lane, Moorestown, NJ 08057

## EDUCATION

**Virginia Tech, College of Engineering**  Blacksburg, VA
*B.S Computer Science*  *Expected May 2026*

- Expected Minors: Math and Cyber Security
- GPA: 3.43
- Fall, 2022 Dean's List
- Relevant Classes: Calculus of a Single Variable, Introduction to Software Design, Software Design and Data Structures, Foundation of Physics, General Chemistry, and Foundations of Engineering

## TECHNICAL SKILLS

**Java, Python, MATLAB, Simulink, JavaScript, Node.js, Object-Oriented Programming, Software Testing**

## RELEVANT EXPERIENCE

**Hokie Electric Vehicle Team**  December 2022 – Present
*Propulsion and Controls and Modeling Team Member*  *Virginia Tech*

- Working on optimizing a 2023 Cadillac LYRIQ over the next four years.
- Responsible for the controls of all longitudinal motion of the vehicle, including interfaces with automated features.
- Design and test the propulsion system for the electric vehicle challenge.

**Lockheed Martin Code Quest**  April 2022
*Participant*  *Moorestown, NJ*

- Competed against other schools in designing and programming solutions to complex math and science problems.

**Tetris AI**  November 2022
*Developer*  *Blacksburg, VA*

- Created a Tetris AI that 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.

## EMPLOYMENT

**Waiter**  December 2021 – March 2022
*Maurizio's Bistro*  *Moorestown, NJ*

- Maintained knowledge of menu items, ingredients, and preparation methods to assist guests with menu selection.
- Able to work in a fast-paced environment while maintaining a high level of service.
- Completed opening and closing checklists to ensure smooth restaurant operations.

**Child Care**  September 2020 – Present
*Private Family*  *Moorestown, NJ*

- Organized creative and fun activities to keep the child engaged and safe.
- Responsible for transporting the child to different places based on the parents' needs.
- Traveled to Greece with the family and took care of the child for 10 days.

## AWARDS AND ACCOMPLISHMENTS

**Moorestown High School Computer Science Graduation Award**  June 2022

- An award that is voted on by the computer science department to reflect a student with exceptional achievement in the field of computer science.

**Double Category Award Winner at the HackDown Hackathon**  November 2021

- Hosted by Kappa Theta Pi at The College of New Jersey.
- Best Space App powered by Space Force and 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 utilizing an interactive website and sensors.