

TIMOTHY WU

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EDUCATION

Intended B.S. Computer Science and Minor in Mathematics - Blacksburg, VA
Virginia Polytechnic Institute and State University

Expected May 2023

- GPA: 4.0

Advanced Studies High School Diploma - Haymarket, VA
Battlefield High School

*August 2016–
May 2020*

- Weighted GPA: 4.427
- One of two recipients for the 2020 Principal's Award for Academic Achievement

SKILLS

- Knowledge of working and collaborating on GitHub
- Programming Languages: Java, Python, SQL, MATLAB
- Leadership, Communication, Problem-Solving

RELEVANT COURSEWORK

- AWS Cloud Computing (NVCC)
- Data Structures & Algorithms
- IT Database Design (NVCC)

PROJECTS

Simple Banking System

- Java project about linking a Java program to an online database for storage and user data
- Project Link: <https://github.com/TomWoah123/Simple-Banking-System>

Smart Calculator

- Python project about recognizing user error when entering a calculation and reacting accordingly
- Project Link: <https://github.com/TomWoah123/Smart-Calculator>

EXPERIENCE

Virginia Tech STEP 2020

*June 2020–
July 2020*

- Experienced first-hand mathematics and engineering course concepts in preparation for the Fall 2020 semester
- Worked with a team of five and developed critical thinking skills for engineering scenarios
- Received the \$300 Pratt Engineering Scholarship for academic achievement

FIRST Robotics, Team 1885 – Haymarket, VA

*October 2019–
March 2020*

- Competed in an international robotics competition hosted by *For Inspiration and Recognition of Science and Technology (FIRST)*
- Collaborated with two mentors and ten other students to program controls and mechanisms for the robot during the six-week build season
- Spread knowledge of STEM within my community through local outreach events
- Won the Chairman's Award at the 2020 District Championship in Bethesda, Maryland

STEM and Arts Student Panel – Woodbridge, VA

July 11, 2019

- Spoke at a county-wide conference at Garfield High School, influencing student artists, like myself, to use their artistic talents to pursue STEM-related careers