

TRENT MAFFEO

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EDUCATION

HIGH SCHOOL DEGREE

WINDHAM HIGH SCHOOL

SEPT 2017 – JULY 2021

- Participated in First Robotics Competition for 3 years; worked mainly with electrical circuitry and CAD via OnShape, encourages teamwork and development of problem-solving skills
- GPA 3.84

DUAL BACHELOR'S IN COMPUTER SCIENCE, COMPUTER SYSTEMS ENGINEERING

RENSSELAER POLYTECHNIC INSTITUTE

SEPT 2021 – JULY 2025

SKILLS

- C/C++, Java, Python, & JavaScript
- CAD experience in Siemens NX, AutoDesk Inventor, OnShape
- Circuitry experience with Arduino & MATLAB technology; knowledgeable in LTSpice & Simulink
- Personal hobby experience with PCB soldering and repairing tech such as computers, mobile devices, etc.
- Knowledgeable in Microsoft Word, Excel & PowerPoint. Familiar with Windows OS & Linux
- Fluent in English, Español

PROJECTS

PHOENIX BIONICS – IN PROGRESS

Designing and programming a bionic hand that can act as a functional replacement for those missing a hand. Utilizes Arduino technology and EMG sensors to function and will be easily replicable via 3D printing.

CODING PORTFOLIO – IN PROGRESS

Working on various open-source projects through GitHub, mainly consists of personal website that will host current and future projects, and a slew of mini-projects to demonstrate excellence in JavaScript, Java, etc.

AWARDS

- FRC 3 years (Electrical, Design work)
 - Renaissance Award (local high school award)
 - High Honors Award
 - AP Scholar w/ Distinction
 - Science National Honors Society
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