

Local Address

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Permanent Address

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OBJECTIVE: To receive a grant from the First Act Fund.

SKILLS: **CAD:** SolidWorks, Fusion 360
Programing: Python, MATLAB, Java, C++, C
Microsoft Office: Word, Excel, Outlook, and Windows
3D Printing: Simplify 3D, Cura, Makergear, Printrbot, and Taz 5
Competition Rocketry: Level 1 HPR Certification, Battle of the Rockets
Technical Writing: NASA Student Launch Team, Great Problems Seminar
Work Ethic: WPI University Award, National Honors Society, AP Scholar

EDUCATION: **Worcester Polytechnic Institute (WPI),** Worcester, MA; Bachelor of Science in Aerospace Engineering; Minor in Computer Science; Expected Dec 2021, 3.64 / 4 GPA; Relevant Coursework: incompressible fluids, materials science, linear algebra, differential equations, astronautics, introduction to aerospace structures, object oriented (Java) and systems (C and C++) programing, and thermodynamics.

WORK HISTORY: **Waltham Senior High School (WHS),** Waltham, MA; Graduated June 2017, 4.73 / 5 GPA

Aeromechanics Intern: NASA Ames: Jun 2019 – Aug 2019, Mountain View, CA; Worked as team lead for a drone design project. The drone is designed to extinguish spot fires to aid in the containment of wildland fires. Created initial systems design and requirements for the drone. Built proof of concept, ground based, robot to simulate. Integrated sensors and wrote code for navigation, fire detection, and remote communication in C++.

Aerospace Engineering Intern, Busek Co. Inc.: May 2018-Aug 2018, Natick, MA; Worked with vendors and engineers to improve part drawings, models, and assemblies in SolidWorks, completing project one month ahead of schedule. Collaborated with another intern to design and fabricate a PCB mill vacuum chuck and an electrical current meter with analysis software.

PROJECTS: **NASA Student Launch:** Co-founded a team to compete against other universities. The team designed, built, tested, and launched a rocket which flew to over 4000ft before landing and deploying an autonomous UAV payload. Served as Safety Officer, ensuring the team abided by laws and regulations and writing risk analysis and safety protocol for the team.

Eagle Scout Project: Organized and led a project to construct a raised garden bed for a local retirement home. Collaborated with the City of Waltham to budget and design the ideal garden for disabled residents. Directed a team of ten volunteer scouts to construct the garden.

LEADERSHIP: **Eagle Scout, Senior Patrol Leader,** Boy Scouts
Co-Founder, Safety Officer, NASA Student Launch Team in AIAA of WPI
Founder, President, 3D Printing Club and MakerSpace at WHS