

EDUCATION

- August 2019 - Present **Bachelor of Science, Mechanical Engineering, Cornell University, Ithaca, NY**
- GPA 3.59
 - Cornell Tradition Fellow.
 - Courses: Thermodynamics – A Mechatronics – A+
 Statics – B Differential Equations – A -
 Dynamics – A- Mechanical Synthesis – A-
- August 2014 - June 2018 **The Governor's Academy, Byfield, MA, GPA - 4.3**

WORK EXPERIENCE

- June 2021 – August 2021 **Dexter-Russell, Engineering Intern, Southbridge, MA**
- Designed and modified fixtures for various manufacturing tasks.
 - Coordinated with production supervisors to test fixtures in the production environment.
- June 2020 - August 2020 **Solid State Scientific Co., Software Engineering Intern, Nashua, NH**
- Worked with various AWS services to develop data ingestion infrastructure for the Air Force cloud.
- July 2019 - August 2019 **Design Partnership Architects, Intern, Haverhill, MA**
- June 2018 - October 2018 - Created two-dimensional CAD drawings for various projects.
- June 2017 - August 2017 - Performed various clerical tasks.
- Attended meetings with clients, and documented project sites.

RESEARCH EXPERIENCE

- August 2020 – May 2021 **Distributed Soil Sensor Project, Independent Project**
- Designing soil moisture sensors for long term distribution in vineyards.
 - Most of the work focused on how the sensors will communicate.
- August 2021 – Present **Space Systems Design Studio, Research Assistant, Ithaca, NY**
- Modeling a new spacecraft concept meant to raise its altitude by changing its length.
- October 2019 - May 2020 - Designed and implemented a method of optical communication for mini satellites called ChipSats.

SKILLS

SolidWorks (proficient)	Autodesk AutoCAD (proficient)	Autodesk Inventor (proficient)
Autodesk Fusion 360 (proficient)	Microsoft Office (proficient)	Amazon Web Services (proficient)
Python (proficient)	JavaScript (proficient)	C++ (proficient)