

# Fname Lname

1+ (222) 333-5555

[www.linkedin.com/in/mypage](http://www.linkedin.com/in/mypage)

email@domain.com

## **EDUCATION**

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### **Master of Science in Mechanical Engineering**

*December 2021*

Focused study in the field of thermo-fluid dynamics.

GPA: 3.49

### **Bachelors of Science in Mechanical Engineering (ABET)**

*May 2020*

Minor in Pure Mathematics and Physics

University of Vermont (UVM), Burlington, VT

GPA: 3.39

**Relevant Coursework:** Graphical Communication, Mechanics of Materials, Design of Elements, Applied Thermodynamics, Fluid Mechanics, Heat Transfer, Fundamentals of Electrical Engineering 1 and 2, Air Breathing Propulsion, Computational Fluid Dynamics, Finite Element Analysis, Compressible Fluid Mechanics

**Technical Skills:** SolidWorks, AutoCad, MATLAB, Abaqus, Ansys, Python, Arduino, LaTeX

## **AEROSPACE EXPERIENCE**

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**American Institute of Aeronautics and Astronautics**, University of Vermont, Burlington, VT *Fall 2016 – Spring 2021*  
*President*

- Lead engineer conducting design of wheels for a scaled mars rover design in our workshop.
- Designing a Phobos base structure and habitat with a team.
- Discuss all news and events going on in the space and aeronautics industry.

**Delta Global Services**, Burlington International Airport, Burlington, VT

*Summer 2019*

*Ramp Agent*

- Marshall and park aircraft in order to deliver customers to the terminal safely and in a timely manner.
- Load and unload bags of up to 100 pounds and write aircraft load reports for weight and balance of the aircraft.
- Operate Powered Industrial Trucks to perform the operation quickly and safely, including the pushing of aircraft up to the size of the Boeing 737-700 and Airbus 320 to the taxiway.

**Sikorsky Aircraft Internship**, Sikorsky Aircraft Headquarters, Stratford, CT

*Summers 2017 & 2018*

*Quality Engineer*

- Contact suppliers and engineering to determine how discrepant parts need to move through the quality system and maintain a steady flow of non-conforming material.
- Create an automatic reporting dashboard using Tableau and SQL to display metrics for the quality clinics of each business unit to streamline weekly reports.
- Administered Daily Review Team (DRT) to a diverse population of engineers with manufacturing, quality, and management representation to determine how to move discrepant parts forward through the quality clinic process.

## **RELEVANT MECHANICAL ENGINEERING EXPERIENCE**

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### **Senior Experience in Engineering Design**

*Fall 2019 – Spring 2020*

*Team Member*

- Design and implement a droplet test device for Benchmark Space Systems to test and compare their different types of rocket fuels using modeling software and machined parts for the assembly.
- Program software in Python to detect droplet contact and reaction using image processing and data captured with a high-speed camera to determine reaction volume and ignition delay.

**Electrical Engineering Design Project**, University of Vermont, Burlington, VT

*Spring 2019*

*Team Member*

- Designed, modeled, and constructed an automatic garden tending station using an Arduino UNO device.
- Utilized sensor outputs from the soil to encode functions and watering protocols using Arduino IDE.

**Thermo Fluid Lab**, University of Vermont, Burlington, VT

*Spring 2019*

*Team Member*

- Perform experiments to demonstrate principles of Fluid Mechanics and phenomena using many methods of measurement and instrumentation.
- Collect data sets using hot-wire anemometer to measure data used to calculate free-stream turbulence.

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- Work as a team to carefully analyze and produce reports in a professional format using the LaTeX software.

**Undergraduate Research of Highly Viscous Particles**, University of Vermont, Burlington, VT

*Spring 2018*

*Employee*

- Worked with Professor Jeffrey Marshall to observe how highly viscous particles impact and deform onto a substrate using laser-induced fluorescence and high-speed cameras.
- Created a test stand for the camera mount and droplet triggering device.

## **OTHER EXPERIENCE**

**Knapp's Landing Restaurant**, Stratford, CT

*2013-2016*

*Busser/ Food Runner*

- Interact with guests while maintaining a charismatic demeanor.
- Clean tables, seat guests, and deliver food as fast and efficiently as possible.

## **COMMUNITY SERVICE AND LEADERSHIP EXPERIENCE**

- Weekly volunteer at the Echo discovery center and aquarium once a week to foster a love in science among kids of young ages.
- Helped raise over \$5,000 for cancer research with Relay for Life committee.

*Spring 2017*

*Spring 2016*

## **INTERESTS**

Video gamer, fisherman, long boarder, avid skier, hiker, camper, and explorer