**Thomas Collins**

**111 Willard Ave Portsmouth NH 03801 • twc1001@wildcats.unh.edu • (603) 828-9643**

**Education**

**University of New Hampshire, Durham** Expected Graduation May 2020

College of Engineering and Physical Sciences Cumulative GPA: 3.25

Candidate for a Bachelor of Science in Engineering Physics

Concentration in Aerospace

Minor in Mechanical Engineering

**University of Maine, Orono** Fall 2015 – Fall 2016

College of Engineering

Candidate for Bachelor’s of Science in Engineering Physics

Concentration in Mechanical Engineering

**Experience**

**TURBOCAM, INC** May 2019 – Current

*Engineering Intern*

* Mentored new employees and instructed crews on job sites
* Team oriented environment centered around hard work and dedication.
* Services include: general electrical work, masonry, landscaping, and hardscaping.

**UNH Students for the Exploration and Development of Space Vice** **President** Fall 2017 – Current

* SEDS is a nationwide organization that encourages students in the fields of Engineering and Service.

Competition includes building and designing a variety of rockets.

* Board member, in charge of the Member Body and assisting the President.
* Placed 2nd in the 2018 Undergraduate Research Conference in Mechanical Competition Teams.
* Design and Analysis of a Hybrid Engine capable of 450lbs of thrust.

**Nuclear and Particle Physics Group – University of New Hampshire** Aug 2018 – May 2019

*Undergraduate Lab Assistant*

* Test and prepare radioactive target material.
* Assigned projects to work on independently and with senior lab personnel.
* Assist professors in development and implementation of experiments.

**Skills**

* Proficient in MATLAB
* Proficient in SOLIDWORKS
* Proficient in Visual Basic for Applications
* Proficient in GitHub
* Experience with C++
* Experience with LabView

**Relevant Course Work**

Modern, Quantum, and E&M

* Thermodynamics
* Calculus 1-3
* Fluid Dynamics and Dynamics
* Statistical Mechanic

**Extracurricular Activities**

**Society of Physics Students member** Fall 2015 – Current

* Academic Society devoted to creating a community for the Physics and Engineering Physics students on campus.
* Tutor General Physics 1-2 and Calculus 1-2
* Advisor for freshman and undergraduate physics students.

**Brother of Alpha Kappa Psi** Spring 2017 – Spring 2019

* Business Professional Fraternity. Devoted to shaping people in professional ways to enhance modern business.
* Judiciary Board Member

**UNH Archery member** Fall 2017 – Current

* Athletic club including weekly practice and yearly competitions.