**Thomas Collins**

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**Education**

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

College of Engineering and Physical Sciences

Candidate for a Bachelor’s of Science in Engineering Physics

Minor in Mechanical Engineering

Concentration in Aerospace

Cumulative GPA: 3.25

**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**

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

*Undergraduate Lab Assistant*

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

**Lang’s Landscaping Service – Greenland, NH** May 2017 – Aug 2018

*General Laborer*

* 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.

**Course Work and Skills**

* MATLAB and SOLIDWORKS
* GITHUB and OPENROCKET
* Electric Circuits Design 1
* Modern, Quantum, and E&M Physics
* Thermodynamics
* Calculus 1-3
* Fluid Dynamics and Dynamics
* Statistical Mechanics

**Campus Activities**

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

* Board member, in charge of the Member Body and assisting the President.
* Placed 2nd in the Undergraduate Research Conference in Mechanical Competition Teams.
* Design and Analysis of a Hybrid Engine.
* SEDS is a nationwide organization that encourages students in the fields of Engineering and Service.

Competition includes building and designing a variety of rockets.

**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 – Spring2019

* Business Professional Fraternity. Devoted to shaping people in professional ways to enhance modern business.
* Judiciary Board Member
* Member of the Professional and Membership Committee. Organized events and contacting professional resources.
* Devoted to incorporating Brotherhood, Knowledge, Integrity, Service, and Unity in all aspects of life.

**UNH Archery member** Fall 2017 – Current

* Athletic club including weekly practice and yearly competitions.