



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 | • Modern, Quantum, and E&M Physics | • Calculus 1-3 |
| • GITHUB and OPENROCKET | • Thermodynamics | • Fluid Dynamics and Dynamics |
| • Electric Circuits Design 1 | | • 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 – Spring 2019

- 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.