



# Thomas Collins

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

## Education

### University of New Hampshire, Durham

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

Expected Graduation May 2020



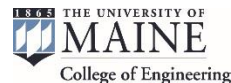
### University of Maine, Orono

College of Engineering

Candidate for Bachelor's of Science in Engineering Physics

Concentration in Mechanical Engineering

Fall 2015 – Fall 2016



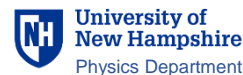
## Experience

### Nuclear and Particle Physics Group – University of New Hampshire

*Undergraduate Lab Assistant*

- Assigned projects to work on independently and with senior lab personnel.
- Perform routine tasks in a research environment. Assist staff in laboratory or fieldwork.
- Assist professors in development and implementation of experiments.

Aug 2018 – Current



### Lang's Landscaping Service – Greenland, NH

*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.

May 2017 – Aug 2018



## Related Course Work

- |                              |                            |                               |
|------------------------------|----------------------------|-------------------------------|
| • MATLAB and SOLIDWORKS      | • Modern Physics / Quantum | • Calculus 1-3                |
| • GITHUB and OPENROCKET      | • Physics                  | • Fluid Dynamics and Dynamics |
| • Electric Circuits Design 1 | • Thermodynamics           | • Statistical Mechanics       |

## Campus Activities

### UNH Students for the Exploration and Development of Space Vice President

Fall 2017 – Current

- Lead member; leads builds and delegating tasks.
- SEDS is a nationwide organization that encourages students in the fields of Engineering and Service. Competition includes building and designing a two-stage solid rocket.
- Aerodynamics and Structure sub-team member. In charge of Parachute design / deployment of stage separation.
- Outreach team member; Giving back to the community by teaching early education students about STEM and SEDS.



### 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 – Current

- 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.