Thomas Collins

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**Objective:** Find an internship or full-time aerospace engineering position starting the summer of 2020

**Education****: University of New** **Hampshire** – *College of Engineering and Physical Sciences* **Jan. 2017 – May 2020, anticipated**

GPA: **3.24/4.0** | B.S, Engineering Physics | Minor in Mechanical Engineering

**University of Maine, Orono** – *College of Engineering* **August 2015 – December 2016**

B.S, Engineering Physics

**Tech Skills:** Solidworks| MATLAB | Visual Basics for Applications | Mastercam | LabView | 5 Axis Machining | GitHub

**Experience****:**

**TURBOCAM, International May 2019 – present** *Engineering Intern*

* Operated electrochemical machines and 5-axis mills.
* Develop software for data analysis in Visual Basic for Applications
* 5 Axis Mill toolpath programing using Mastercam
* Root cause analysis leading to implementation of corrective measures.
* Strict attention to detail throughout the engineering process.

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

*Undergraduate Research Assistant*

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

**UNH Engineering Physics and Mechanical Engineering January 2018 – present**

*Undergraduate Researcher*

* Study of Engineering Physics Major curriculum, including Classical mechanics, quantum physics, and optics.
* Study of Mechanical Engineering Minor curriculum, including thermal systems, control systems, and fluid dynamics.

**Relevant Orgs:**

**UNH Students for the Exploration and Development of Space August 2017 – present**

*Vice President, Frame Lead*

* Board member, in charge of the Member Body and leading Frame Team.
* Managing the Frame program to manufacture and build a beautifully designed frame with successful integration of each program’s components. Critical to the success of our Hybrid Rocket capable of 300lbs of thrust.
* In charge of general member involvement and assisting the president with club organization and structure.
* Attended SpaceVision 2018 with 16 team members in San Diego, California to network with other SEDS members
* Placed 2nd in the 2018 Undergraduate Research Conference in Mechanical Competition Teams.

**Society of Physics Students Member January 2017 – present**

* Academic Society devoted to creating a community for the Physics and Engineering Physics students on campus.
* Assist undergraduates in General Physics 1-2 and Calculus 1-2

**Extracurricular Activities:**

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

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

**UNH Archery Member Fall 2017 – present**

* Athletic club including weekly practice and yearly competitions.