## **Thomas William Collins**

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December 18th, 2019

**Dear Firefly,**

My name is Thomas Collins and I am a senior at the University of New Hampshire studying Engineering Physics with a concentration in Aerospace and a minor in Mechanical Engineering. I am applying to the Summer 2020 Engineering Internship in hopes of joining your team and diving into the commercial space industry.

Firefly has been on my radar since I visited your booth at the 2019 International Aeronautics Congress. There I had the pleasure of meeting Thomas Markusic at the Baby Wale social and talking to propulsion and engineers at the Firefly exhibition.

Throughout my collegiate career I have acquired experiences that can be directly related to both these paths. At TURBOCAM International, I worked on component design and quality, ensuring design specifications have been met and creating new data analysis programs to ensure quality. Aside from this, I worked alongside other technicians in the production process of creating airflow components for commercial airline engines.

Experience with respect to rocketry comes from my time as Vice President of my universities rocket team. UNH SEDS is a multidisciplinary rocket organization with the goal to launch a hybrid rocket at the Spaceport America Cup competition in June of 2020. Our organization consist of 40 member and 10 devoted to the frame team which I oversee. As the Vice President and Frame lead, I manage the student body of the organization and work with every engineering team to design the best rocket frame possible. Feel free to check out our website as we constantly update it with progress on our rocket and other club activities.

Website: *unhseds.org*

Thank you for taking the time to read this letter. I look forward to hearing back from you. If you have any questions about my resume, TURBOCAM Inc, or UNH SEDS, please reach out to me and I would be happy to elaborate.

Sincerely,

Thomas William Collins