

# THOMAS WILLIAM COLLINS

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## To whom it may concern at SpaceX,

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 believe I am a strong candidate for this position because I am eager to start making an impact on this world and work with a team whose mission is to improve life, on and off earth.

SpaceX has been on my radar since its first successful booster landing in December 2015. Since then I have gained inspiration from your Starship program and your relentless pursuit of challenges. When I turn inwards and think about my own mission and capabilities, I see two distinct paths. These paths include vehicle integration, or a technical position within rocket propulsion. I am applying to be an Associate Engineer because commercial spaceflight is my vocation, and whether it takes me 6 months, or 10 years, I will always pursue a career within this industry.

Throughout my collegiate career I have acquired experiences that can be directly related to both these paths. At TURBOCAM International, I work on component design and quality, ensuring design specifications have been met and creating new data analysis programs to ensure quality. Aside from this, I also work alongside other technicians in the production process of creating airflow components for commercial airline engines. My experience as a Manufacturing Engineering Intern has allowed me to see the progression from design to fabrication. It has also shown me that I desire to do more than build airline engine components, I want to build rockets.

Experience with respect to rocket propulsion 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](http://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 will be happy to elaborate.

Sincerely,  
Thomas William Collins