

For as long as I can remember, space vehicle launches have fascinated me. To see the entire world from space must be incredible, not to mention the possibility to explore and inhabit another planet. The genesis of these adventures is aerospace manufacturing. From the construction of both aircraft and spacecraft, aerospace manufacturing is typically at the forefront of emerging and state of the art technology in methods and material usage. This cutting edge manufacturing sector has always interested me, which led to my decision to major in the field of aerospace engineering.

I have always enjoyed and excelled in the fields of math and science. Applying critical thinking in these subjects excites me. Devising methods to approach and solve issues and problems using critical thinking led me to the broad field of engineering. I found the aerospace engineering field, which intrigued me as an expanding and important field of study with a promising future. The frontier of space is yet to be completely understood, discovered, and explored, meaning that as more is learned about space, old technologies must be innovated, and new technologies invented. Alongside this, the notion of soon populating the Moon, Mars, or another planet is extremely riveting. The excitement behind the ever expanding aerospace industry has made me greatly intrigued to become involved in aerospace manufacturing.

The aerospace educational, research, and intern opportunities at Georgia Tech led me to choose this institution for my undergraduate study. I am excited to learn and apply the fundamentals of aerospace engineering taught in the upper level courses, such as Space System Design. The teamwork and planning of the entire mission concept will be a personal highlight for me. I want to demonstrate my work ethic and commitment to studies through internships with demonstrated leaders in the aerospace manufacturing industry. Internships allow a student to apply theory and curriculum to real world problems and provide an invaluable opportunity to obtain a glimpse into future careers, initial professional connections, and will become a strong foundation for a career. Georgia Tech also has impressive student clubs centered around the aerospace industry and building things to improve learnings and leadership skills. Georgia Tech's aerospace engineering clubs, including the Ramblin' Rocket Club and the Vertical Flight Society, are very interesting. I aim to join the High Power Rocketry Team and construct a high power rocket to launch and earn a National Association of Rocketry certificate. At Georgia Tech, students are given the opportunity to use the mechanical engineering labs and have an ability to conduct research early in a student career. I am confident the many rewarding and valuable academic, internship, and club experiences at Georgia Tech will provide me an opportunity to develop engineering and leadership skills that will benefit me in a manufacturing career after graduation.

Aerospace manufacturing is an exciting and constantly evolving industry, which is a main reason I chose aerospace engineering as my major. I am excited to enter the aerospace manufacturing sector after gaining a prestigious education at Georgia Tech.