

Aerospace Engineering MSAE Graduate School Application Essay

Thermofluid Aerodynamic Systems Design and Engineering Track | The University of Central Florida

What am I looking to gain from graduate school? Well, quite a few things, but I think I am up to the challenge. I want to continue learning about a topic that I became passionate about during my undergraduate. I want to develop my resume to help stand out in this tough market. I want to become a GTA to help those younger than me not make the same missteps that I did. Most of all, I want to continue building confidence in my abilities that I only started to develop my senior year of college.

I have always been fascinated with aviation and became passionate about aerospace engineering my junior year when I began taking the degree's in-major classes. Thermodynamics, propulsion systems, and flight mechanics were among my favorite classes, so being able to learn more about these systems and the theory behind it would be thrilling. I would love to apply this graduate book knowledge and work in a research lab for some experiential learning, something I never had the confidence to search for in my undergrad.

It would also be my honor to become a graduate teaching assistant during my time in this master's program. Looking back, I wish I would have talked with those older than me or tried to find a mentor. Helping students through what I struggled with is something I would find extremely rewarding, both with classroom material and with whatever career advice I could provide.

The biggest benefit I am looking to gain from an aerospace masters is in advancing my career. The additional education, research, and time as a GTA would all strengthen my resume, something that is vital during the current state of the job market. Being a student again would also open possibilities of an internship/co-op, something I fully intend to pursue. I was never confident enough to push early applications for internships in my undergrad, so when I finally did realize their importance, I ended up having to take an out-of-major civil engineering internship. While I maximized learning what applicable knowledge I could during my time there, I am still looking for experiential learning that is directly related to my passion, and I believe being in this program can help me find that.

I am confident that pursuing a master's degree would be nothing but beneficial for both my educational knowledge and professional career goals. Taking classes, doing research, and strengthening my professional skillset will not only help my future career ambitions but also help me continue to build the confidence in myself that I have always been searching for.