

MARK J. WAGNER

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Dear Hiring Manager,

I am Mark Wagner, a recent graduate from the University of Florida. I graduated with my Bachelor of Science in Aerospace engineering and received a minor in Computer Science in May 2021. I currently work as a Project Engineer at Thin Metal Parts in Colorado Springs. I am actively looking for a position where I will join a talented engineering team and work on exciting new projects.

My time at the University of Florida was phenomenal. While studying, I worked as a teaching assistant in the Design and Manufacturing Lab for five semesters. In this position, I taught students how to become better design engineers and taught them how to operate manufacturing equipment like milling machines and lathes to build a robot. I was also responsible for training newer TAs to become better engineers, teaching them advanced manufacturing skills, and emphasizing the importance of design for manufacturability. I gained valuable leadership experience in this role.

I was also a member of the undergraduate research team in the nontraditional manufacturing laboratory. In this capacity, I studied the polishing of an additively manufactured workpiece with complex geometry. I was responsible for the design, manufacture, and implementation of a new machine that was used for this research. This project was a great learning experience, allowing me to learn about several different aspects of engineering, from electro-mechanical systems design to data acquisition and analysis, all while working independently in a fast-paced environment.

After graduation, I was able to join the Thin Metal Parts team as a Project Engineer. This role allowed me to work in almost every department, from electroforming to laser cutting. I was heavily involved in the development of our in-house forming department, where I performed tooling and part design using CAD tools, solved issues with forming products, and developed improvements to current manufacturing processes. I truly learned how to apply my classroom knowledge to solve real engineering problems in this role. While I am grateful for this position, I am now interested in joining a team where I will be even more passionate about my contributions.

I am excited by all of the work that Astra is doing in the small sat launch. I believe I can leverage my knowledge of design and manufacturing, extensive CAD experience, technical communication skills, and put my passion for good engineering to work at the incredible team you have. If you are interested in my candidacy for this position, please reach out at markwag99@gmail.com or call me at (904) 521-5981. Thank you for taking the time to consider my application and I hope to hear from you.

Thank you for your time,

Mark Wagner