Ben Halley

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Boeing

I am Ben Halley, a recent graduate of Iowa State University with a BS in Aerospace Engineering and a minor in Leadership. During my senior year, I had the privilege of working on a senior design project sponsored by Boeing. My team, which consisted of five other aerospace engineering students from Iowa State and six students from North Carolina A&T, had the pleasure of working closely with Boeing engineers. The interactions I had with those Boeing engineers left an extremely positive impression on me. I want to be a part of an organization that consists of people like the engineers I worked with, so I hope you consider me for an engineering position!

I am a qualified candidate due to my various experiences managing intricate systems aboard both a satellite project and a senior project that was sponsored and supervised by Boeing. While working on CySat-1, a student-led project that will launch a satellite capable of scanning the Earth’s surface for soil moisture, I served as Payload Team Lead. As team lead, I not only worked with and led a few other talented engineering students, but I also oversaw the integration of the Payload system with the satellite as a whole. This includes managing the data transfer between the payload and the main computer, designing and validating circuit boards, testing and validating the performance of the payload, managing the physical orientation of the payload system within the tight 3U Cube Satellite, and communicating that integration with the other team leads on the project.

While working on a senior project sponsored and supervised by Boeing engineers, my role on the team was to create various SolidWorks models of our concept vehicle and analyze the models using the aerodynamic analysis program STAR-CCM+. My team and I conducted quality function deployments, requirements analyses, and trade studies to optimize the vehicle’s structure and design. Using these techniques, we were able to confidently and successfully present our concept vehicle to Boeing engineers in a Product Design Review and Conceptual Design Review.

The ultimate goal in my career is to eventually become a project manager in the space industry and work with a fun, driven, and intuitive team to put many parts together into a seamless, successful product. However, I realize that I cannot start at that level. I am a fun, driven, and intuitive employee that will be an asset to any team, and I want to start my career at Special Aerospace Services. Your company reflects my values and passions, and I hope you consider me for future positions. Please do not hesitate to reach out by phone or email, and I look forward to next steps. Thank you for your time!

Sincerely,

Ben Halley