

COLLEGE OF ENGINEERING INDUSTRY INSIGHTS



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B.S. in Mechanical Engineering, 2021

Current Title: Rocket Propulsion Engineer

Company: Boeing



Tell Me About Your Job



I primarily work with flight hardware development and qualification. This includes owning the design and requirements of conducting component technical reviews qualifying the hardware for flight. While coordinating the analysis of the hardware including stress, material assessments, thermal, fluids, vibration, and fracture. Additionally, I provide remote and on the ground support during fabrication, installation, production, test, and launch issues.

How did your major or classes at CMU help prepare you for your job?

Class projects and labs were a major help. Applying the material learned in classes, while improving your team working skills, is crucial in the industry.



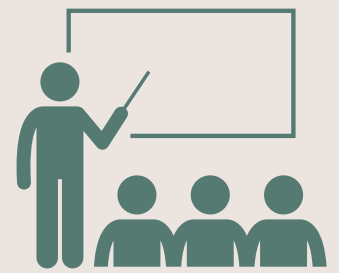
What other activities, hobbies, or experiences helped to prepare you for a job in your industry?



Research, project, and internship experiences are all majorly helpful in preparing yourself.

What classes would you recommend to a student who is interested in a job in your industry?

In addition to the core MechE classes, I would recommend the grad level Computational Fluid Dynamics (CFD) class. During my time at CMU, aerospace classes were near non-existent. But the CFD class was the single exception, I recommend it to all students interested in aerospace.



What advice would you give to a student who is in the early stages of considering a career in your industry?

Experience doesn't only come from internships, class projects and research experiences are just as great. Employers focus on project experience which gives you a chance to demonstrate your technical ability and prove you would be a great asset to their team.



What advice would you give to a student who is preparing to apply for an internship/job in your industry?

Networking is just as important as demonstrating your skills, especially at student conferences when you can attend. Send cold emails, phone calls, and LinkedIn messages. All it takes is one yes.

