

Rowan Howard

Avionics Manufacturing Engineering Intern (Fall 2026)



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AeroTech Innovations
Manufacturing Engineering Team
Redondo Beach, CA

Dear Hiring Manager,

I am excited to apply for the Avionics Manufacturing Engineering Intern position at AeroTech Innovations. This role connects closely with my academic journey and burgeoning interests in engineering, particularly in the manufacturing of sophisticated aerospace components.

AeroTech excels in crafting pioneering spacecraft technology. I admire your leadership in transforming test articles into production-ready devices; having undertaken similar challenges in my studies, I've come to appreciate the nuanced intricacies involved in creating high-quality avionics assemblies, especially under time constraints.

During a university project, I collaborated within a small team to develop a prototype avionics system. Focusing on performance evaluation, we designed components like PCBAs and tested them under demanding conditions. It was no easy feat, yet we derived valuable insights, showcasing resilience and innovation along the way.

My work as a research assistant involved analyzing manufacturing methods aimed at optimizing cost and efficiency for space-grade materials. Collaboratively, we tackled problems, which forced us to adapt and think critically. This honed my analytical skills, reflecting a mindful approach to project ownership and engineering solutions.

Every experience I've had has shaped my path. Challenges often fueled growth, revealing deeper layers of personal and professional development. Aligning my evolving capabilities with AeroTech's mission excites me; I see a perfect avenue to contribute while continuing to learn in this vibrant, fast-paced environment.

Thank you for considering my application.

Sincerely,

Rowan Howard

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