

Adam Gordon

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PROFESSIONAL SUMMARY

Dedicated engineer with a solid foundation in mechanical design and system integration, specializing in the biotech and medical device industries. Experienced in CAD, rapid prototyping, and collaborating with cross-functional teams to optimize manufacturing processes and uphold regulatory standards. Committed to continuous improvement, learning, and efficiency in engineering operations.

EXPERIENCE

Intermediate Project Engineer II

Emerson Automation Solutions

July 2021 – Present

- Developing, implementing, and supporting process automation and MES systems for biotech and pharmaceutical customers to streamline manufacturing and improve FDA compliance and traceability.
- Collaborated directly with customers and stakeholders to develop tailored software solutions.
- Wrote and conducted extensive software testing to ensure robust and reliable automation solutions.
- Supporting Manufacturing IT team to ensure operational integrity of factory IT infrastructure.

Product Design Engineer

OriGen Biomedical - Internship

July 2020 – June 2021

- Created CAD models and drawings in SolidWorks for suite of medical device products, manufacturing fixtures, and thermoformed packaging, supporting product and equipment development and manufacturing.
- Designed and prototyped mechanical design of new fixtures to enhance manufacturing efficiency and repeatability, including one that saved over 30 minutes per day in manufacturing floor time.
- Perform quality and mechanical testing on products using instruments such as Instron UTM to ensure compliance with design and industry requirements and regulatory standards (ISO-13485).

Research and Development Engineer

NASA Lyndon B. Johnson Space Center - Internship

August – December 2019

- Collaborated with interdisciplinary teams to explore novel technologies for exercise devices.
- Developed a universal interface for controlling a haptic suit using Python and C#.
- Implemented optical eye tracking and machine learning for physiological data collection.

Product Development & Validation Engineer

Nano Vision - Internship

June – August 2019

- Designed and prototyped injection-molded parts for future product use.
- Performed material selection to reduce vibration and deployed parts for field use.

SKILLS

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| • Process Optimization | • CAD / CAM | • 3D Printing |
| • System Integration | ◦ Solidworks, Onshape, Fusion 360 | • Rapid Prototyping |
| • Compliance & Regulatory Standards | • Programming | • Machining |
| • cGMP & GDP | ◦ Java, Python, C#, MATLAB, R, C++ | • Materials & Biocompatibility |
| • Microsoft Office Suite | • SQL Databases & Querying | • Video Production |

EDUCATION

Bachelor of Science, Biomedical Engineering

The University of Texas at Austin

Completed May 2021

GPA: 3.51