Adam Gordon

AdamG@utexas.edu | (214) 796-1752 | LinkedIn | adamgmakes.com

PROFESSIONAL SUMMARY

Innovative engineer with a strong foundation in mechanical design, rapid prototyping, and system integration. Experienced in CAD modeling, experimental design, and cross-functional collaboration to develop and optimize complex systems. Skilled in tackling multidisciplinary challenges and translating research into tangible improvements. Passionate about 3D printing technology and committed to continuous learning and pushing the boundaries of engineering innovation.

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 compliance and traceability.
- Wrote and conducted extensive testing to ensure robust and reliable automation solutions.
- Supporting Manufacturing IT team to ensure operational integrity of factory IT infrastructure.

Product Design R&D Engineer Internship
OriGen Biomedical 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 experiments on products to ensure compliance with design and industry requirements and regulatory standards (ISO-13485).

Research and Development Engineer Internship
NASA Lyndon B. Johnson Space Center 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 Internship
Nano Vision *June – August 2019*

- Designed and prototyped plastic parts for use in a consumer product.
- Designed and conducted experiments to validate noise-reduction for new fan-mount part.

SKILLS

- Process Optimization
- System Integration
- Compliance & Regulatory Standards
- cGMP & GDP
- Experiment Design
- CAD / CAM
  - Solidworks, Onshape, Fusion 360
- Programming
  - Python, C#, MATLAB, C++
- SQL Databases & Querying
- Data Analysis
- 3D Printing
- Rapid Prototyping
- Machining
- Video Production
- Microsoft Office Suite

EDUCATION

Bachelor of Science, Biomedical Engineering Completed May 2021
The University of Texas at Austin GPA: 3.51