

Matthew Martin

Mechanical Engineer

Personal Info

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Website

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Skills

3D Modeling and Drafting

Additive Manufacturing

Design Optimization and Analysis

Design for Manufacturing

SolidWorks FEA Simulation

Software

SolidWorks

Inventor

MS Office

DS Enovia PDM

PTC Creo

PTC Windchill

Mechanical Engineer with 5+ years' experience in the mechanical design field. Proficient in Inventor, SolidWorks and Creo as well as creating ASME compliant drawings, complex 3D assemblies, and designing for manufacturing. Adept at handling and managing multiple concurrent projects.

Experience

2018-02 –
Present

Project Engineer

Parker Chomerics

- 3D designing and drawing of EMI vents and gaskets, as well as tooling for honeycomb and gasketing.
- Interfacing with customers to provide time and cost effective EMI solutions.
- Assisted with the internalization of hundreds of part numbers, developing drawings, manufacturing routes, and providing support to the manufacturing team.
- Worked with planning and design teams to drive product development and review tooling specifications.
- In-depth PDM management, ECO/ECR creation, and part creation using Enovia PDM software.

2016-09 –
2016-12

Design Services Co-Op

QinetiQ North America

- Detailed design and drafting of mechanical and electro-mechanical systems and assemblies in PTC Creo.
- Drawing and ECO management through Windchill PDM integration with Creo
- Implementation and completion of mechanical engineering change orders for early and late lifecycle products.
- Investigate and resolve production issues as part of a new product development team.
- Provide 3D modelling and drawing creation support for the development of the DR10 fiber cable product.

2016-01 –
2016-08

Mechanical Engineering Co-Op

Massa Products Corporation

- 3d design and modeling of new and legacy products in SolidWorks.
- Detailed production drawing creation per ASME and military drawing standards for new and legacy products.
- Tooling and fixture design and manufacturing for new products, as well as fixture and automation solutions for enhanced manufacturing efficiency.
- Review of electro-acoustic device design for military and commercial applications.

Education

2013-09 –
2017-08

Wentworth Institute of Technology
Bachelor of Science in Mechanical Engineering

Certifications

2013-12

Certified SolidWorks Associate, Mechanical Design (CSWA)