

Jason M. Slingerland

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Education

Rensselaer Polytechnic Institute

B.S. Industrial and Management Engineering

December 2015

Work Experience

Quality Engineer, Support and Release Management for Onshape Inc. Cambridge, MA

January 2016–Present

- Project management
 - Manage agile development sprints to ensure a high-quality product for end users every 3 weeks
 - Ensure that project deadlines are met by developers and outsourced teams
 - Track and manage development progress through JIRA and automate workflows through REST API
 - Manage Onshape's partner ecosystem by testing products and collaborating with partners
- Engineering & UX
 - Lead testing and design of standard parts, sheet metal, draft analysis and other tools used in DFM & DFA methods
 - Work with manufacturers to create design criteria for engineering software development
 - Aid professional customers with CAD best practices and advice on manufacturing strategies
- Sales engineering
 - Develop custom CAD features to improve engineering workflows and reduce design time
 - Aid sales calls by giving prospective customers representative demonstrations
 - Work with new customers to develop an engineering process for adopting new software

Computer Aided Manufacturing Teaching Assistant Troy, NY

May 2014–December 2015

- Taught students about feeds, speeds, fixturing techniques and GD&T practices

Draftsman for Harlan-McGee of North America Saratoga, NY

May 2014–November 2014

- Designed buildings and renovations to meet or exceed New York State Building Code
- Communicated with suppliers and contractors to best satisfy the customer

Northeast Conveyors Lima, NY

May 2015–August 2015

- Machined stainless steel parts on a manual 3 axis mill

Relevant Projects

RPI Formula SAE Troy, NY

September 2012–December 2015

Chassis, Suspension and Aerodynamic Team: Lead Project Manager

- Responsible for quality of parts and timely completion of projects
 - Led design reviews to help younger members improve DFM & DFA and improve design efficiency
 - Ensured supplies and materials were in stock
 - Managed sponsor and supplier relations
- Subsystem Lead Designer
 - Used 3D surfacing to design SLS-printed air intake with spline geometry, optimized internal flow utilizing CFD
 - Used FEA in design of complex geometry aluminum parts for CNC machining, utilized DFM & DFA methods
 - Developed a wet layup molding process to create complex 3D geometry carbon fiber parts in house
 - Designed, built and executed tests to produce, to validate or improve

Independent Study for Architecture Thesis Troy, NY

January 2014–May 2014

- Designed and built z-stage table that traveled based on feedback, while submerged in water, for wax cooling experiment
- Communicated through serial ports over Wi-Fi to control speed and position of test platform in water

Skills

Manufacturing: CNC Machining, Lathe, Vertical Mill, SLS & FDM 3D printing, TIG & MIG welding, woodworking

Software: Onshape, SOLIDWORKS, AutoCAD, NX 8, MasterCAM, JIRA Administration, Python, REST API, Excel

Activities

Professional manufacturing design service, restoring motorcycles, traveling, road tripping, automotive maintenance, cooking