Jason M. Slingerland

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Education

Rensselaer Polytechnic Institute **December 2015**
B.S. Industrial and Management Engineering

Work Experience

Quality Engineer 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 project deadlines are met by working with developers and outsource teams
    - Track and manage development progress through JIRA and automated repetitive tasks through REST API
    - Manage partner program by testing and communicating with third party vendors
- 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
    - 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**

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

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

Manufacturing personal projects, restoring motorcycles, traveling, road tripping, automotive maintenance, cooking