Stephen St. Raymond
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Education:

Drexel University — Philadelphia, PA
Bachelor of Science in Mechanical Engineering — Anticipated Graduation: June 2019
Minor in Electrical Engineering — GPA: 3.38

Drexel University — Philadelphia, PA
Master of Science in Mechanical Engineering — Anticipated Graduation: June 2019
BS/MS Accelerated Degree Program

Honors and Awards:

Pi Tau Sigma - Xi Chapter, Drexel University, 2015- Present
STAR (Students Tackling Advanced Research) Scholar, Drexel University, Summer 2015
Dean's List, Drexel University, 2014
Pennoni Honors College, Drexel University, 2014-Present

Skills:

CAD and Simulation Software: Creo Parametric 2.0, AutoCAD, SolidWorks 2015-16, Catia
Programming Languages: MATLAB, Python 3.5, Arduino, HTML/CSS
Microsoft Office: Word, Excel, PowerPoint

Engineering Projects:

Drexel University Space Systems Lab — Philadelphia, PA
High Altitude Balloon Vehicles — March 2015 to August 2016
- Led a team of three students in the design and building of an aerial platform
- Collaborated with faculty supervisor to fit the platform to desired specifications
- Organized competition centered around the use of the balloon platform

Experience:

Parker Hannifin-Porter Instruments Division — Hatfield, PA
Electromechanical Engineer — April 2017 to September 2017
- Learned to perform Gauge R&R tests and complete a Design of Experiment in order to increase efficiency and reliability of products
- Used Python and Excel to help analyze large amounts of data to process in Minitab, and seek solutions to technical problems encountered in production
- Used Autodesk Inventor to create new, lean test fixtures and procedures for products, as well as modify features on current engineering projects

LaFrance Corporation — Concordville, PA
Project Manager — September 2015 to March 2016
- Developed Excel skills to organize and calculate data taken from customers and used the results to coordinate production methods and schedule with manufacturing plant in China
- Modified and updated Pro/E files to reflect machine capabilities and tolerances, and created engineering drawings to assist in production
- Became familiar with a variety of test and inspection equipment in order to properly examine incoming parts, using a combination of destructive and non-destructive tests

Relevant Coursework:

Foundations of CAD	Introduction to Controls	Introduction to Thermodynamics
Experimental Mechanics I	Transform Methods and Filtering	Boundary Layers-Laminar & Turbulent
Mechanics of Materials	Applied Optimal Control I	Advanced Dynamics I, II