

Skilled Manufacturing Inc. (SMI)

Isaac Russell

Option 2

- ◇ Paid
- ◇ Afternoon internship
- ◇ Four months
- ◇ 160 Hours

SMI



Manufacturing Principles

- ◆ Factors of Assembly
- ◆ Hands on work in the manufacturing process

Economic Principles

- ◇ Factors of Production
- ◇ Supply and Demand

SMI



SMI

◆ Engineers and manufactures parts for aero, auto, and specialty.

<http://www.skilledmfg.com/aerospace-about.php>

My Role

- ◇ Creating photos from Solidworks to be used for referencing.
- ◇ Measuring and inspecting manufactured parts.

Supervisors

Gary Greenman

Director of Engineering

Dodd Russell

President

Academic Skills

- ◇ Simple Math
- ◇ Excel
- ◇ Microsoft Word

Technical Standards

Engineering and Graphical Communications:

- ◆ Test and evaluate the prototype and record results
- ◆ Explain the rules that are associated with the application of dimensions to multiview drawings
- ◆ Identify and dimension fillets, rounds, diameters, chamfers, holes, slots, and screw threads in orthographic projection drawings
- ◆ Describe the purpose and demonstrate the application of section lines and cutting plane lines in a section view drawing

Technical Standards

Manufacturing, Assembly and Fabrication:

- ◇ Explain the role of quality control in assembly and fabrication
- ◇ Measure with precision tools and instruments
- ◇ Explain the role of quality control in manufacturing

Work Ethic

- ◇ Considerate and respectful of others.
- ◇ Is self-disciplined.
- ◇ Respects lab equipment and surroundings.
- ◇ Accepts responsibility.
- ◇ Uses material and time wisely.