

## Junior Design Engineer

# ROBERT SMITH

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## Objective

Looking to obtain a position as a mechanical engineer, allowing me to utilize design and problem-solving skills to assist in product design and testing, data collection and analysis, technical writing, team-based problem solving, and computational skills.

## Skills

Solidworks.

## Work Experience

### Junior Design Engineer

**Kimber Manufacturing Incorporated** - June 2015 – May 2016

- Designed, developed, and made improvements to existing product lines as part of a cross-functional team.
- Defined product configuration and part geometry using SolidWorks as well as created fully dimensioned drawing using GD&T.
- Worked closely with process and quality engineers to resolve design interferences and inspections of current products.
- Interfaced with manufacturing, process, engineering, and vendors to ensure quality designs and high performance.
- Developed validation test plans to verify concepts, ensure reliability, and refine the component design.
- Utilized Microsoft Excel for tracking all part models/drawings for in-house and outsourced parts for numerous projects.
- Initiated and completed engineering change orders and process documentation.

### Junior Design Engineer

**Delta Corporation** - 2013 – 2015

- involved in the designing of multi-storeyed buildings, industrial buildings, factories etc.
- Scope of works included supervision in preparation of drawings, including top supervision of the works at site.
- Designed all aspects of customized weighing systems using Intel 8080 processors.
- Was responsible for planning of a project from conception through production.
- Designed the system, provided mechanical drawings for machine milling of cabinets, constructed the taped layouts for circuit boards, and wrote the .
- Generated a restructured virtual product library by modeling machine parts and intricate assemblies using SolidWorks Produced detailed machine .
- Produce solid modeling and engineering drawings on Autodesk Inventor.

## Education

Bachelor of Science in Mechanical Engineering - (New York Institute of Technology - Old Westbury, NY)