Design Engineer Intern

Description:
The Design Engineer Intern invents, designs, documents, builds and tests new solutions for assigned industry using CAD tools. This role supports design in production, sales, service, troubleshooting and updating. This position is also responsible for analyzing and providing realistic recommendations on structural components to ensure that design meets the design goals and customer needs.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

1. Support the Engineering Team in all aspects of building and revising prototypes.
2. Invent, design, document, build and test new solutions.
3. Input the data from Vermeer suppliers into SolidWorks to create a picture or model of the parts by part number for reference only.
4. Analyze production issues and create solutions for lean manufacturing.

Qualifications:
EDUCATION and/or EXPERIENCE
High School diploma required. Should be a current student pursing a Bachelor's degree in Ag, Mechanical, or related field in Engineering through an accredited program.

Previous internship and manufacturing experience is a plus.

LANGUAGE SKILLS
Ability to read, analyze and interpret general business periodicals, professional journals, technical procedures or governmental regulations. Ability to write reports, business correspondence and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers and the general public. Ability to effectively communicate orally and in writing with internal and external customers. Secondary language skills in Spanish, Portuguese, or Mandarin preferred.

COMPUTER SKILLS
Must be proficient in material strength calculation skills, proficiency in operating CAD software, SolidWorks, Glovia, and in operating Microsoft Office products including, but not limited to, Excel and Access.

OTHER SKILLS AND ABILITIES

- Ability to provide informative and professional assistance when working with the public/customers and co-workers and maintain positive interpersonal relationships which encourage openness with customers and peers.
- Ability to produce accurate, professional and error-free documents in a timely manner.
- Demonstration of good oral and written communication skills.
- Ability to maintain a high level of attention to detail.
- Ability to maintain positive interpersonal relationships which encourage openness with customers and peers.

- Ability to work well with vendors and co-workers to meet deadlines and expectations.
- Ability to effectively communicate with individuals at all levels.

Vermeer is an EEO/AAP/M/F/V/D employer

Please submit your resumes to Edward Monks at emonks@iie.org and indicate the title of the position in your email. The subject should include the Position name/Science w/o Borders

Manufacturing Engineer Intern

Description:
The Manufacturing Engineer Intern helps to coordinate the flow of materials through assigned plants through the support and implementation of lean principles. This role helps to determines cost effective methods of manufacturing and design enhancements. This position also utilizes information provided from the QNF system for possible procedural or design changes for improved quality.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

1. Collaborate with Engineering and Production in the creation and implementation of lean design changes that improve manufacturability of parts.
2. Monitor work in process levels and work with Area Managers to adjust levels determined by tact time, cycle times and process controls.
3. Initiate standardization of methods, processes and design features. Analyze machine utilization and recommend changes as needed.
4. Manage scrap reduction efforts and document and understand product cost and gross margin opportunities
5. Participate in at least one Kaizen event.
6. Formulate documentation and sharing of best practices, produce plant layouts to improve flow of material and people, and direct expect the Best design print changes for assigned plants.

Qualifications:
EDUCATION and/or EXPERIENCE
High School diploma required. Should be a current student pursing a Bachelor's degree in Ag, Mechanical, or related field in Engineering through an accredited program.

Previous internship and manufacturing experience is a plus.

LANGUAGE SKILLS
Ability to read, analyze and interpret general business periodicals, professional journals, technical procedures or governmental regulations. Ability to write reports, business correspondence and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers and the general public. Ability to effectively communicate orally and in writing with internal and external customers. Secondary language skills in Spanish, Portuguese, or Mandarin preferred.

COMPUTER SKILLS
Must be proficient in material strength calculation skills, proficiency in operating CAD software, SolidWorks, Glovia, and in operating Microsoft Office products including, but not limited to, Excel and Access.

OTHER SKILLS AND ABILITIES

- Ability to provide informative and professional assistance when working with the public/customers and co-workers and maintain positive interpersonal relationships which encourage openness with customers and peers.
- Ability to produce accurate, professional and error-free documents in a timely manner.
- Demonstration of good oral and written communication skills.
- Ability to maintain a high level of attention to detail.
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Test Engineer Intern

Description:
The Test Engineer Intern performs the required instrumented and cyclic testing of engineering prototypes necessary to confirm reliability standards expected of production units. Some fabrication, disassembly, and reassembly of test parts may be required.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

1. Plans, coordinates, and implements sequence of testing and instrumentation procedures for test units.
2. Interprets test results and provides general conculsion with supporting data.
3. Document accurate test results and testing procedures.
4. Justifies test duration period, duty cycles, and methods for duplicating actual field conditions. Develop logical methods to accelerate testing where applicable.
5. Accompanies test personnel on field trips to conduct tests, provide written reports, and develop an understanding of Vermeer equipment expectations.
6. Disassembles test units and inspects components for defects and/or specification.

Qualifications:
EDUCATION and/or EXPERIENCE
High School diploma required. Should be a current student pursing a Bachelor's degree in Ag, Mechanical, or related field in Engineering through an accredited program.

Previous internship and manufacturing experience is a plus.

LANGUAGE SKILLS
Ability to read, analyze and interpret general business periodicals, professional journals, technical procedures or governmental regulations. Ability to write reports, business correspondence and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers and the general public. Ability to effectively communicate orally and in writing with internal and external customers. Secondary language skills in Spanish, Portuguese, or Mandarin preferred.

COMPUTER SKILLS
Must be proficient in material strength calculation skills, proficiency in operating CAD software, SolidWorks, Glovia, and in operating Microsoft Office products including, but not limited to, Excel and Access.

OTHER SKILLS AND ABILITIES

- Ability to provide informative and professional assistance when working with the public/customers and co-workers and maintain positive interpersonal relationships which encourage openness with customers and peers.
- Ability to produce accurate, professional and error-free documents in a timely manner.
- Demonstration of good oral and written communication skills.
- Ability to maintain a high level of attention to detail.

- Ability to maintain positive interpersonal relationships which encourage openness with customers and peers.
- Ability to work well with vendors and co-workers to meet deadlines and expectations.
- Ability to effectively communicate with individuals at all levels.

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