

Quality Engineering Intern

The goal of HydraForce's internship program is to develop future engineering resources for our organization while providing support to our Engineering groups. We structure the engineering internship to allow candidates the opportunity to develop knowledge and skill-sets unique to our industry. Project tasks reflect an increasing level of technical complexity based on demonstrated proficiency and success on prior assignments. Although there is no guarantee of employment, it is our goal to have our interns fully capable of stepping into an entry-level engineering position upon graduation.

Supporting Job Elements:

- Support the implementation of Statistical Process Control software
- Assist in continuous improvement projects
- Day to day support activities but not limited to inspection, sorting, fixture design, assembly
- Assist in measurement system analysis on various gauges
- Perform hydraulic testing for failure analysis
- Assemble/disassemble hydraulic valves and manifolds
- Read/analyze hydraulic prints
- Assist with test data entry and collection, and statistical analysis
- Assist with test documentation controls (e.g. TCP's, stability charts)
- Assist with valve and/or test stand troubleshooting

Qualifications:

- Committed to an engineering college undergraduate program
- Completed a minimum of 24 hours at the university level
- Coursework and/or experience in setting up databases, SPC, data collection; PC hardware e.g. RS232 interface a plus
- Coursework and/or experience in statistical analysis, lean tools
- Coursework and/or experience in measurement systems
- Basic experience in 3D modeling; CNC programming is a plus
- Basic proficiency in MS Office Suite; MiniTab is a plus
- Good written and verbal communication and interpersonal skills
- Able to work independently as well as in a team environment

Majors Desired: Mechanical, Electrical, Automotive or Industrial Engineering

GPA Desired: 3.25 in major | 3.0 in general studies
(if freshman)

Program Dates: May 23-August 5, 2022 **Full Time**
****Candidates MUST be able to commit to this time frame*

Candidates must answer the following questions and include this with your resume to be considered for the position as well as a letter of recommendation from a professor in your major which can follow at a later date.

Documents must be in PDF or Word format. Include specific position in subject line.

- 1. Why would I like to intern at HydraForce?*
- 2. What do I hope to learn/gain from this experience?*

Applications are due no later than March 1, 2021

Email resume to EdwinM@hydraforce.com in MS Word or PDF format only- please use the position title as the subject line of your Email. Please do not send "zip" files, they will not be opened