

Quality Intern

The goal of HydraForce's internship program is to develop future engineering resources for our organization while providing support to our Quality Engineering group (Inspection Labs, SQE, QE and Warranty). 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:

- 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
- Use tools and techniques from Six Sigma, Lean, to analyze and solve problems
- Perform hydraulic testing for failure analysis
- Assist with valve and/or test stand troubleshooting
- Assemble/disassemble hydraulic valves and manifolds for failure analysis
- Read/analyze hydraulic prints
- Assist Supplier Quality Engineers with reviews of supplier performance data, in evaluation and validation of supplier change requests along with driving improvements in suppliers delivered quality for both new product and existing products
- Review returned material and verifies customer complaints through root cause analysis
- Assist in maintaining the Supplier Corrective action database
- Assist with test data entry and collection, and statistical analysis
- Create and modify existing systems that track our metrics
- Create, improve on documentation such as control plans, FMEAs, WI, and process flows

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
- Advanced Excel skills; 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:

Industrial Engineering

Program Dates:

May 30-August 4, 2023 Full Time

***Candidates MUST be able to commit to this time frame

Applications are due no later than March 1, 2023. Please click here to apply:

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