

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.

**Position:**

A fulltime summer intern position requiring 75% of the time in the Ames Iowa area and 25% of the time at the HydraForce Innovation Center located in Vernon Hills, Illinois. Part time position may be possible for the fall 2022/Spring 2023 semesters. All travel expenses to and from Illinois will be reimbursed by HydraForce.

**Responsibilities:**

- Collaborate with Iowa State and HydraForce engineers to develop a computer controlled hydraulic test stand
- Assist with instrumentation and controller programming
- Layout and plumbing of basic hydraulic circuits
- Layout and wiring of basic electrical circuits

**Qualifications:**

- Knowledge and experience with data analysis and troubleshooting software and computing systems.
- Familiarity with electrical and hydraulic schematics
- Familiarity with Lab View, Matlab Simulink, or Python programming languages
- Ability and willingness to work in a diverse team environment
- Committed to an engineering college undergraduate program
- Advanced computing/computer knowledge and experience
- Good written and verbal communication and interpersonal skills
- Self-directed and motivated
- Strong technical/mechanical aptitude
- Strong organizational skills
- Able to work independently; as well as in a team environment
- Majors Desired: Agricultural, Mechanical, Aerospace, or Electrical Engineering

**GPA Desired:**

3.25 in major | 3.0 in general studies (if freshman)

**Program Dates:**

May 23 - August 6, 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, 2022**

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