



Zoomlion Heavy Industry NA, Inc.

Engineering Intern, Control Systems

Position Objectives

The Controls Engineering Intern reports to and supports the Sr. Engineering Lead – Control Systems, who is the key product development person for the division providing research and designs, tests and validations, engineering leadership and training, and product launch of agriculture machines.

Essential Duties and Responsibilities

- Assists in the development of electric and hydraulic control systems for agriculture machinery production equipment including concept, design and validations.
- Assists with the designs, details, coordination of the fabrication and assembly of the tooling and fixturing required to support high quality manufacturing processes.
- Communicates with control system, driveline and structure teams at regularly scheduled meetings and key project points to present updates, design specs, etc.

Education and Experience:

- 1 - 2 years electrical engineering experience or 1-2 years college in Electrical Engineering.
- Previous work in design or manufacturing environment a plus.

Job Knowledge, Skills and Abilities:

- Must have a good communication skills - oral and written.
- Must be detail oriented and organized.
- Drawing interpretation.
- Good computer skills.
- Work well independently with minimal supervision.

Training requirements:

- General Safety
- Understanding vehicle bus protocols, such as CAN and J1939, familiar with industrial engineering standards (ISO, SAE, ASABE, etc.) a plus.

- Familiarity in design and manufacturing of agriculture machines' electro-hydraulic, hydro-mechanical and electric control systems a plus.
- Familiarity in Rapid Control Prototyping, embedded control systems, PLC, C and Matlab/Simulink Programming a plus.
- Knowledge of CAD software, such as Pro-E, AutoCAD and other design experience a plus.
- Quality System Awareness

Physical Demands:

- Required to sit for periods of time.

Work Environment:

- Usual office working conditions.

Will be required to perform other duties as requested, directed or assigned.

If interested in an immediate Summer Internship Opportunity, please contact Zoomlion Human Resources at 262.835.1828, ext. 107 or send your resume to deb.lauenstein@zoomlion-na.com.

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