

Design Engineering Intern

Located at our Innovation Center in Menomonee Falls, WI

Department:	Engineering	FLSA Status:	Hourly/Non-Exempt
Employment Type:	Internship	Reports To:	Director Engineering
Shift:	First Shift	Job Desc updated:	1/26/2022

Our Innovation Center located in Menomonee Falls, WI has an awesome new internship opportunity available for students interested in pursuing an engineering degree. This opportunity is slated to start in June 2022 with the opportunity to work full time during the 2022 summer break.

Marlin's Intern position is responsible to work with other engineers to design various rugged, mobile products to service our OEM customers. Under supervision of engineers, the intern will be designing and developing firmware/software and hardware for new, exciting, embedded products used on machinery deployed in harsh environments. Participants develop technical skills through challenging assignments and usage of technical tools.

This position may provide the opportunity to:

- Assist in testing hardware and embedded firmware
- Develop and maintain documentation in support of the team
- Design and develop hardware/firmware solutions in support of the development team
- Develop hardware schematics
- Build / modify prototype PCB assemblies
- Design / build cable assemblies
- Identify alternate sources for electrical components
- Prepare documentation for engineering change orders
- Assist Firmware Engineers with hardware / cabling setup and troubleshooting
- Design / build hardware test fixtures
- Build / Test application firmware and/or libraries
- Build / Test PC application software used during product development

Minimal Qualifications:

- Currently enrolled in a Bachelors program in Electrical Engineering, Electrical Engineering Technology, Computer Engineering, or related technical discipline
- The ability to work in Menomonee Falls, WI a minimum of 15 to 20 hours a week during summer break

Preferred Qualifications:

- Ability to read electrical schematics
- Experience with schematic capture tools (Altium preferred)
- Experience with digital and analog circuit design
- Experience with electrical signals for serial communications such as RS232, RS485 and USB
- Familiarity with lab equipment including oscilloscopes, data acquisition equipment, and power supplies
- Experience with soldering surface mount electrical components
- Able to solve basic engineering problems
- Familiarity with Microsoft Office software, especially Excel
- Good oral and written communication



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Physical demands: While performing the duties of this job, the employee is regularly required to talk and hear; and use hands to manipulate objects or controls. The employee is regularly required to stand and walk. On occasion the incumbent may be required to stoop, bend or reach above the shoulders. The employee must occasionally lift up to 25 pounds. Specific conditions of this job include are typical of frequent and continuous computer-based work requiring periods of sitting, close vision and ability to adjust focus.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The employee commonly works in an office environment where the noise level is usually quiet, and may occasionally be on the production floor where the noise level is moderate.

The above statements reflect the general details necessary to describe the principal functions of the occupation described and shall not be construed as a detailed description of all the work requirements that may be inherent in the occupation.

We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.