



## Embedded Systems Intern

### Description

Signum is accepting applications for an Embedded Systems Intern to work with our engineering team. Our engineers develop custom electronics and firmware for various industries including off-road vehicles, oil and gas extraction, medical devices, and construction machinery. We also create cloud-based software systems for connected devices and Internet of Things applications.

### Qualifications

- Applicants should be pursuing a bachelor's degree in electrical or computer engineering
- Demonstrated interest in electronics design and microcontroller programming supported by elective courses

### The Signum Internship Experience

- Learn how to program microcontrollers using C/C++, including peripheral configuration, low-level drivers, and operating systems
- Gain understanding of printed circuit board design and manufacturing process
- Become familiar with electronic components in order to make appropriate design choices
- Learn to read schematics and understand analog and digital circuits
- Gain experience using test equipment such as multimeters and oscilloscopes
- Apply critical thinking skills to solve problems and debug hardware and software
- Learn industry best practices for coding, testing, source control, and deployment of firmware
- Gain skills in effective written and verbal communication with team members, management, and customers

### The Signum Advantage

Signum employees are exposed to a wide variety of projects and work at the cutting edge of Internet of Things (IoT) technology. Competitive pay and benefits add to a culture where people are valued not only for their technical skills but also as individuals with their own unique ways to contribute to the overall vision. Signum is an exciting company positioned for rapid growth.