

# EMBEDDED SYSTEMS ENGINEERING

## INTERNSHIP OVERVIEW



Precision Planting is passionate about using science and technology to improve agriculture. The Precision Planting team develops innovative products that improve the lives of growers and make agriculture more sustainable, efficient, and profitable. The Precision Planting Embedded Systems Engineering Intern will receive hands-on experience in many different areas of product development based in Tremont, Illinois. This paid internship will focus on cutting edge projects developing on-farm planting and harvesting systems for advanced precision ag applications. We aim high and work hard, but you will have fun and have the opportunity to grow technically

### Responsibilities:

- Design and testing of new product concepts and technology
- Develop embedded software for real-time microprocessor based control and monitoring systems
- Working with a multidisciplinary engineering team to design and implement control system strategies
- Testing and support of software and electrical systems as product move through the development cycle

### Required Skills/Experience:

- Current enrollment in BS or MS degree program in Computer Engineering, Electrical Engineering, or equivalent
- Experience in low-level C programming for embedded microcontrollers
- Experience in troubleshooting and debugging hardware-software interactions
- Strong communication skills and experience being a flexible team player
- Cumulative GPA of at least 3.0/4.0
- Personal transportation
- Willingness to relocate to the Peoria, IL area if necessary

### Desired Skills/Experience:

- Exposure of embedded communication protocols such as CAN, SPI, I2C, etc
- Hands-on experience troubleshooting interactions between electronic control systems, harnessing and mechanical systems

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