

MECHATRONICS ENGINEERING

INTERNSHIP OVERVIEW

PTx is passionate about using science and technology to improve agriculture. The PTx team develops innovative products that improve the lives of farmers and make agriculture more sustainable, efficient, and profitable. The PTx Engineering Intern will receive hands-on experience in different areas of product development, based in Tremont, Illinois. This paid internship will focus on cutting-edge projects developing on-farm agricultural systems for advanced precision applications.

Responsibilities:

- Design and test new product concepts and technology
- Utilizing multiple engineering disciplines to develop automated, multi-system concepts
- Troubleshooting electronic, programming, and mechanical issues
- Building prototypes in our high -tech machining and welding shop (hands-on machining and fabrication)
- Operating agricultural equipment to conduct product testing
- Coordination, execution, and measurement of field-based product trials
- Assistance for growers and dealers with installation of field trial equipment

Required Skills/Experience:

- Current enrollment in BS or MS degree program in Mechanical Engineering, Agricultural Engineering, Mechatronics Engineering, Robotics Engineering, or equivalent
- Cumulative GPA of at least 3.0/4.0
- Interest in exploring a career in agriculture-related engineering
- Detail and results oriented with the ability to work independently
- Excellent time management, organizational, and problem solving skills
- Real project-based experience in Python and C/C++
- Proficiency in MS Word, Excel, PowerPoint
- Willingness to work outside and in the office
- Personal transportation
- Willingness to relocate to the Tremont/Peoria, IL area

Desired Skills/Experience:

- Prior farm experience or internship in similar area
- Willingness to travel if necessary for multiple days at a time

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