

COMPUTER VISION DATA SCIENCE

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 Computer Vision Data Science Intern will receive hands-on experience in many different areas of product development based in Tremont, Illinois. This paid internship will focus on projects which apply cutting edge artificial intelligence and machine learning technology to new on-equipment precision agriculture products. We aim high and work hard, but you will have fun, and you will have the opportunity to grow technically

Responsibilities:

- Collaborate with data scientists and computer vision engineers to assist in ML model development, and evaluation.
- Apply data science to develop computer vision algorithms and models for detecting crop and field features on edge devices on agriculture equipment.
- Develop algorithms and metrics that extract information from images for better understanding and analysis of large image data sets.
- Work with data engineering teams to assist with image and metadata taxonomy, such that data is managed efficiently in a way to enable analytics.

Required Skills/Experience:

- Current enrollment in BS or MS degree program in Computer Science, Computer Engineering, Statistics, Data Science, or equivalent
- Proficient in Python, with experience in libraries such as TensorFlow, PyTorch, Keras, scikit-learn, pandas, NumPy, and Matplotlib
- Experience with data engineering for ML applications or a demonstrated interest in exploring notable open-source projects.
- Cumulative GPA of at least 3.0/4.0
- Personal Transportation
- Willingness to relocate to the Peoria/Bloomington, IL area

Desired Skills/Experience:

- Hands-on experience with NoSQL databases like MongoDB, Cassandra, or DocumentDB.
- Exposure to application of data science in computer vision applications
- Exposure to sensing, robotics, machine control, and embedded system development

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