Innov8 Ag Solutions Data Scientist Intern

About Us: Innov8 Ag Solutions is partnered with Microsoft on data-informed farming, bringing together disparate on & off-farm data enabling farmers to make informed management decisions based on Machine Learning/AI-based recommendations. Our differentiated approach leverages agronomist expertise through PhD researchers from land-grant universities & ag-centric colleges; providing them with data sources, big data capabilities, & machine learning tools paired with farmer expertise and experience. This summer we partnered with WSU and WWCC to kick off a micro-climate pilot in one of the largest apple orchards in the world – and we’re already starting to see opportunities for cost savings and environmental conservation. This is an opportunity for you to be at the leading edge of agtech, where population growth & climate change challenge bright minds to save the world.

Purpose of Position: We are looking for an intern to work locally with a small team of agronomists to use R/Python to analyze disparate data sets – initially for a large apple orchard, building and testing models on Microsoft’s Azure cloud computing platform. The internship will be approximately 10-15 hours per week. As an intern, you will huddle with the agronomist team 1-2x/week to understand their questions & assumptions, spend time analyzing data based on agronomist questions/guidance, and share back prelim findings with team for validation. Then rinse and repeat, with the end-goal to develop insights for our growers – enabling them to better prioritize/deploy use of their field workers based on data-informed farming.

Job Description:

- Immerse in a dataset comprised of:
  - On-farm weather telemetry including solar radiation, wind speed/direction, rain, air temp & humidity, leaf wetness, and soil moisture/temperature at 6 depths
  - WSU Ag WeatherNet history since 2016
  - On-farm management practices including pesticide/herbicide/fertilizer applications, irrigation schedules, tree thinning,
  - Other on-farm data sources including fruit chemistry, pest inventory/management, and soil composition
  - Satellite imagery showing NDVI (Normalized Digital Vegetation Index) changes
- Meet 1-2x weekly with agronomist team for guidance on where to look for cause & effect, as well as share your findings
- Summarize progress each week
- Have fun learning new technologies & gaining an understanding of how your statistical capabilities can help farmers gain new insights!

Requirements & Qualifications:

- Working towards a Bachelor’s Degree, preferably in Computer Science or Math
- Junior or Senior with minimum 3.0 GPA

Innov8 Ag Solutions is an Equal Opportunity Employer
• Excel at statistical analysis
• Demonstrate strong communication and interpersonal skills
• Attention to detail & self-starter
• Proficiency in Microsoft Office
• Experience in R or Python
Experience in using Amazon Web Services or Microsoft Azure is a plus
Experience in Spark, Hadoop, Data Lakes, and/or Machine Learning technologies is a plus

Other:

• Work approximately 8-12 hours per week with flexible schedule
• This is a paid internship starting at $13.50 / hour with room to grow.

To Apply:

Email cover letter and resume to Steve Mantle at steve@innov8ag.com. Please place “Data Scientist Intern” in the subject line and note in your cover letter if you are Work Study eligible.