Jessica Claire

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PROFESSIONAL SUMMARY

Senior Scientist at ag-tech startup with MS degrees in Agronomy and Data Science. 4 years of experimental design and statistical analysis experience working primarily in SAS and Minitab and familiar with Python, R, and gretl. Team-player with broad leadership experience. Seeking position in a challenging and rewarding environment that marries my passions in agriculture and data science.

EDUCATION

Master of Science | Data Science   *CURRENT*
Indiana University, Bloomington, IN

- Recipient of Data Science Scholar Fellowship

Master of Science | Plant, Environmental Management, and Soil Science   *AUGUST 2014*
Louisiana State University, Baton Rouge, LA

- Thesis "Effect of Water Management on Greenhouse Gas Emissions in the Main and Ratoon Rice Crops Grown in a Crowley Silt Loam Soil"
- Honor Society of Phi Kappa Phi

Bachelor of Arts | Environmental Science and Public Policy   *MAY 2011*
Harvard University, Cambridge, MA

- Thesis "Reduced Mycorrhizal Interactions in Tomato Plants A Pilot Experiment"

SKILLS

- SAS
- Minitab
- gretl
- Tableau
- Sci2
- Weka

- Experimental Design
- Statistical Analysis and Modeling
- Basic MongoDB
- Basic Python
- Basic R
- Basic SQL

WORK HISTORY

R&D MANAGER / SENIOR PLANT SCIENTIST   *07/2014 to CURRENT*
Massachusetts General Hospital | Waltham, MA

- Leading 10-person R&D / Horticulture team and overseeing all aspects of plant health and nutrition.
- Analyzed 20MB of environmental sensor data to predict optimum microenvironment for each crop.
- Developed predictive growth and yield models for each crop using imaging data and regression analysis.
- Designed split-plot experiments that have improved yield performance by 14% in the last two months.

GRADUATE RESEARCH ASSISTANT   *07/2013 to 07/2014*
Alamo Group | Geismar, LA

- Performed yield-scaled evaluation on the effects of water management on rice greenhouse gas emissions.
- Analyzed 11.5MB of yield and GHG data.

FACULTY RESEARCH ASSISTANT / AGRICULTURAL ECONOMIST   *03/2012 to 04/2013*
University Of Maryland / Economics Research Service - USDA | City, STATE

- Headed the update of the USDA's 2010-2011 organic acreage and livestock database.
- Teamed with other agricultural economists to assess coexistence of GE, conventional, and organic crops.

SUSTAINABILITY INTERN   *09/2011 to 03/2012*
Ingleby Farms & Forests | City, STATE

- Authored and implemented sustainable management guidelines on all company farms worldwide.
- Compiled, analyzed, and reported experimental data from agro-ecological field trials at Ingleby-Romania.

LANGUAGES

Fluent in French | Working knowledge of Danish, American Sign Language, and Turkish