

# DR ELENA MARQUEZ

Senior Data Scientist and Plant Biologist

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## Professional Summary

Data scientist with a biology background, working on integrating omics data for crop improvement and environmental resilience.

## Professional Experience

Senior Data Scientist | GreenGenomics Inc | Jan 2020 Present

Developed cloudbased dashboards for agronomists to visualize plant performance metrics.

Integrated omics datasets for yield modeling.

Collaborated with scientists on field deployment using cloud platforms.

Plant Biology Analyst | AgriBioTech Solutions | Aug 2016 Dec 2019

Performed statistical analysis on genomic data from droughttolerant crops.

Published multiple research papers in crop science and environmental biology.

## Education

PhD in Plant Biology | University of California Davis | 2016

Thesis Integrative Genomics Approaches for Improving Crop Stress Tolerance

BSc in Computational Biology | University of Washington | 2011

## Technical Skills

Programming Python R SQL Bash

Tools TensorFlow pandas matplotlib Docker Git

Data Genomics phenomics satellite data

Platforms AWS Google Cloud Jupyter