

**Jake Michael Gendron**

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**OBJECTIVE:**

I am an M.S. student in the department of Plant and Soil Science at Texas Tech University studying network rewiring due to recombination. I am looking to pursue opportunities in fields related to plant breeding while continuing to further my education.

**EDUCATION:**

TEXAS TECH UNIVERSITY, Lubbock, TX January 2016 - Present  
M.S. in Plant and Soil Science  
Cumulative GPA – 3.88/4.00

UNIVERSITY OF MAINE, Orono, ME May 2015  
B.S. in Biology, Minor in Chemistry  
Cumulative GPA - 3.12/4.00

**RESEARCH EXPERIENCE:**

Graduate Research Assistant, Lubbock, TX January 2016 - Present  
*Department of Plant and Soil Science – Dr. de los Reyes*

- Assistant Manager at Quaker Farm Greenhouse
- Oversaw germination, development, and seed multiplication of rice plants including wild species
- Assisted in experimental data collection in the field
- Confident in biochemical assays such as DPPH<sup>+</sup>, lipid peroxidation, and proline accumulation using a microplate reader
- Initiated side project to assay root morphology under dehydrated conditions
- Facilitated training and education of new students brought into our lab

UNIVERSITY OF MAINE, Orono, ME  
Dr. Benildo de los Reyes's Research Lab September 2014 – August 2015  
*Undergraduate Research Assistant*

- Development of an Honors Thesis
- Assisted in comparative genomic analysis of various species of rice
- Grew and maintained species of rice in an indoor environment
- Confidence in techniques including: RT-PCR, cDNA synthesis, primer design, creation of small RNA libraries, and DNA/RNA extractions

**VOLUNTEER WORK:**

SOUTHERN MAINE MEDICAL CENTER May 2011 – August 2013

- Volunteered in surgical and emergency room settings
- Stocked room equipment, organized paperwork and assisted nurses in the care of patients

**ADDITIONAL INFORMATION:**

Recipient of Triumph Seed Agricultural Scholarship – TTU, May 2017  
Mentored undergraduate researcher at the University of Maine  
Attended PAG, RTWG and various conferences, participating in poster presentations  
Biology teaching assistant at UMaine in the fall of 2015