

*I'm a fast-learning individual with extensive experience in R, data visualization, and communicating data analysis. I'm eager to continue to develop my data science skills through solving problems, developing data products, and learning new technologies.*

## Employment

### Teaching Assistant for Applied Biostatistics

Fall 2014–Spring 2017

Profs Dr. Fumi Katagiri & Dr. Yaniv Brandvain, University of Minnesota-Twin Cities

- Course taught in R, turned in homework with R markdown, managed with git and GitHub
- Taught students an intuitive understanding of complex statistical concepts
- Took initiative to continually improve course UX through course website and blog
- Engaged with professor to regularly evaluate if course was achieving learning objectives

### Research Assistant

Jan 2013–August 2014

Dr. Peter Tiffin, Dept. Plant Biology, University of Minnesota-Twin Cities

- Troubleshoot scientific software on supercomputing cluster
- Handled large datasets in bash, analyzed them in R

### Research Assistant

October 2011–July 2012

Dr. Franziska Krajinski, Max Planck Institute for Molecular Plant Physiology, Germany

- Developed and presented technical documentation for method widely used in lab

## Education

### MS Plant and Microbial Biology, University of Minnesota-Twin Cities

2012–2017

- Answered biological questions using mixed-effect linear models, genome sequencing
- Graduate courses in Applied Linear Regression, Experimental Design

### BS Biochemistry, University of Wisconsin-Madison

2006–2011

- Minor in German, studied abroad in Freiburg, Germany (2009-2010)
- Sought out lab & experiment management, excelled in summer research program

## Projects and Additional Experience

### EditR, baseeditr.com

2017

- Web app designed to facilitate quantification of a gene editing technology
- Unique algorithm offering a faster and cheaper quantification method
- Refactored R code, built Shiny app using reactive programming principles

### AnalyzeThis! Data science competition

Summer 2016

- Co-lead team to build and present a predictive model of member retention for the Science Museum of Minnesota

## Skills

R (5 years) including report generation, ggplot2, and Shiny, Python (basic), SQL, git / GitHub, bash / Linux, regular expressions, web scraping