

EDUCATION

Baylor University Ph.D. in Statistics, Advisor: Dr. Amanda Hering	Waco, TX Jul. 2021 – 2025 (Expected)
Baylor University M.S. in Statistics, GPA: 3.94/4.00	Waco, TX Jul. 2021 – Dec. 2022
Brigham Young University B.S. in Statistical Science, minor in Mathematics, GPA: 3.99/4.00	Provo, UT Aug. 2018 – Apr. 2021

EXPERIENCE

Baylor University Graduate Assistant - Research	Waco, TX Jul. 2022 - Present
<ul style="list-style-type: none">– Building upon existing multivariate statistical process control methods to improve fault detection in complex processes.	
Graduate Assistant - Statistical Consulting	Jan. 2022 – Jul. 2022
<ul style="list-style-type: none">– Assisted clients across various disciplines in answering questions of interest using data.– Adapted to different problems by studying and applying a variety of statistical methods to produce quality reports and insights.	
Graduate Assistant - Data Science Workshop Development	Aug. 2021 – Dec. 2021
<ul style="list-style-type: none">– Assisted in the development of a data science workshop (using R) for water/wastewater treatment industry professionals.– Created practice problems and solutions for various topics ranging from data wrangling and visualization to statistical and machine learning models.	
Brigham Young University Statistics Research Assistant	Provo, UT Jun. 2020 – May 2021
<ul style="list-style-type: none">– Built and used Bayesian multivariate receptor models (using R and Stan) to analyze and understand noisy environmental data.– Produced useful visualizations with the ggplot2 and ggmap packages in R.– Read dozens of relevant publications and research papers to glean information for research.– Regularly communicated and discussed results and findings.	

PUBLICATIONS

- [1] M. Heiner, **T. Grimm**, H. Smith, S. D. Leavitt, W. F. Christensen, G. T. Carling, and L. L. St. Clair, “Multivariate receptor modeling with widely dispersed Lichens as bioindicators of air quality”, *Environmetrics*, 2022. DOI: [10.1002/env.2785](https://doi.org/10.1002/env.2785).

RESEARCH EXPERIENCE AND INTERESTS

- Multivariate statistics
- Machine learning
- Time series

PRESENTATIONS

- “Bayesian Multivariate Receptor Modeling with Lichens as Biomonitors,” Student Research Conference, Brigham Young University, February 2021.

COMPUTER SKILLS

- **Advanced:** R
 - tidyverse (dplyr, ggplot2, etc.), RMarkdown, rstan, rjags
- **Proficient:** L^AT_EX, Git
- **Working Knowledge:** SAS, Python
 - pandas, numpy, scikit-learn

LANGUAGES

- **English:** Native
- **Tagalog:** Advanced

SCHOLARSHIPS AND AWARDS

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|---|-----------|
| • Outstanding 1st Year PhD Student (Department of Statistical Science, Baylor University) | 2021–2022 |
| • Graduate School Fellowship (Baylor University) | 2021 |
| • Academic Scholarship — Brigham Young and Wessell/Marshall Memorial (Brigham Young University) | 2018–2021 |
| • Eagle Scout (Boy Scouts of America) | 2015 |