Sarah Teichman

CONTACT INFORMATION	Department of Statistics University of Washington Padelford A-314 Seattle, WA, 98195	Email: teichs@uw.edu

EDUCATION

University of Washington, Seattle, Washington
Ph.D. Statistics Student

- Research topic: Statistical methods development to compare and visualize phylogenetic trees.
- Advisor: Amy Willis
- Coursework: Statistical inference, stochastic modeling, spatial statistics, statistical computing, regression analysis

Amherst College, Amherst, Massachusetts
B.A. Statistics (magna cum laude), May 2018

- Coursework: Probability, mathematical statistics, statistical machine learning, measure theory, data structures, algorithms

RESEARCH EXPERIENCE

University of Washington, Seattle, Washington
Research Assistant, June 2020–Present

- Advisor: Amy Willis
- Statistical methods development to compare and visualize phylogenetic trees.

University of Washington, Seattle, Washington
Research Assistant, March 2019–Present

- Advisor: Tyler McCormick
- Statistical model development to study wage heterogeneity

Amherst College Department of Statistics, Amherst, Massachusetts
Statistics Honors Thesis, September 2017–May 2018

- Advisor: Amy Wagaman
- Modeled the effect of different edge weightings on community detection in social networks

Institute for Pure and Applied Mathematics, Hong Kong
Research in Industrial Programs for Students Research Assistant, June 2017–August 2017

- Implemented and compared reinforcement learning methods to play a video game

Sandia National Laboratories, Livermore, California
Summer Undergraduate Laboratory Intern, June 2016–August 2016

- Investigated model selection for construction of surrogate models of chemical processes

Amherst College, Amherst, Massachusetts
Undergraduate Research Fellow, June 2016–August 2016

- Mathematically modeled decision making with data from a cognitive psychology experiment

TEACHING EXPERIENCE	**University of Washington**, Seattle, Washington Teaching Assistant, September 2018–May 2019

- Statistics 221: Statistical Concepts & Methods for the Social Sciences
- Statistics 311: Elements of Statistical Methods

Amherst College, Amherst, Massachusetts
Statistics Fellow, May 2015–May 2018

- Held weekly drop-in sessions available to students in all beginning and intermediate statistics classes
- Planned and led R tutorials open to the Five College community
- Personal teaching assistant to visually impaired student in Statistics 135: Introduction to Statistics via Modeling
- Teaching Assistant for Statistics 231: Data Science

MENTORSHIP

University of Washington, Seattle, Washington
Statistics Undergraduate Directed Reading Program, September 2020–December 2020

- Mentee: Yufei Xia
- Project: Statistical Inference for Phylogenetic Trees
- Program website: Link

University of Washington, Seattle, Washington
Statistics Undergraduate Directed Reading Program, January 2020–March 2020

- Mentee: Josiah Thulin
- Project: Introduction to Networks
- Program website: Link

Amherst College, Amherst, Massachusetts
Amherst Women in Science Mentorship Program, January 2017–May 2018

- Mentor to three students

HONORS AND AWARDS

2018	Blalock Fellowship *(Center for Statistics and Social Sciences, University of Washington)*
2018	Top Scholar Award *(Department of Statistics, University of Washington)*
2018	Five College Statistics Award *(Department of Statistics, Amherst College)*

SKILLS

Advanced: R, LaTeX
Basic: Python, MATLAB, Java, Stan

SERVICE

- UW Statistics Department Graduate Student Representative (2020–2021)
- UW Statistics Department Directed Reading Program Organizing Committee (2020–present)
- UW Statistics Department Diversity Committee (2019–present)
- UW Women in Biostatistics and Statistics Organizing Committee (2019–present)