

ANNALIESE WIELER

345 Galvin Life Sciences Center, Notre Dame IN 46656 · 817-793-7327

awiens@nd.edu

EDUCATION

2018 – PRESENT

PHD STUDENT IN BIOLOGICAL SCIENCES, UNIVERSITY OF NOTRE DAME

Advisor: Alex Perkins

2018 – PRESENT

**MASTERS STUDENT IN APPLIED AND COMPUTATIONAL MATHEMATICS
AND STATISTICS**, UNIVERSITY OF NOTRE DAME

2014 – 2018

BS IN MATHEMATICS AND BIOLOGY, TABOR COLLEGE

Minor: Philosophy

RESEARCH EXPERIENCE

2016

**RESEARCH EXPERIENCE FOR UNDERGRADUATES IN POPULATION
BIOLOGY OF INFECTIOUS DISEASES**, UNIVERSITY IN GEORGIA

Advisors: Andreas Handel, Brian McKay

Performed a meta-analysis of influenza challenge studies to examine the relationship between dose and infection outcome.

2015-2018

RESEARCH ASSISTANT, TABOR COLLEGE

Advisor: Christin Pruett

Examined how the song sparrow genome varied among various locations in the Aleutian Islands.

TEACHING EXPERIENCE

JANUARY 2019-PRESENT

TEACHING ASSISTANT, UNIVERSITY OF NOTRE DAME

TA FOR BIOSTATISTICS. TASKS INCLUDE PREPARING AND TEACHING LECTURE, GRADING HOMEWORK AND EXAMS, AND COMMUNICATING WITH STUDENTS REGARDING EXPECTATIONS.

2016-2018

TEACHING ASSISTANT, TABOR COLLEGE

TA for Nature of Mathematics and Elementary Statistics. Tasks included grading homework, conducting laboratory sessions, teaching of statistical concepts through lecture, and preparing students for exams.

2015-2018

PEER TUTOR, TABOR COLLEGE

Tutored college and high school students in calculus I-III, statistics, nature of mathematics, physics, differential equations, chemistry, ACT math, college algebra, abstract mathematics, and basic algebra.

SOFTWARE SKILLS

R AND PYTHON: PROGRAMMING, DATA CLEANING AND VISUALIZATION, STATISTICS, SENTIMENT ANALYSIS

FILE MANAGEMENT AND VERSION CONTROL WITH UNIX, GIT, AND MICROSOFT OFFICE

BASIC DATABASE QUERYING IN SQL USING PYTHON AND R INTERFACES

ACTIVITIES, SKILLS AND AWARDS

PRESENTATION SKILLS AS EVIDENCED BY ORAL AND POSTER PRESENTATIONS AT NATIONAL, REGIONAL, AND LOCAL CONFERENCES

MEMBER OF ASSOCIATION OF WOMEN IN SCIENCE, UNIVERSITY OF NOTRE DAME

STUDENT BODY PRESIDENT, TABOR COLLEGE: 2 YEARS

PRESIDENTIAL LEADERSHIP PROGRAM SCHOLAR, TABOR COLLEGE: 4 YEARS

FOREIGN LANGUAGE SKILLS INCLUDING SPANISH (CONVERSATIONAL), FRENCH (CONVERSATIONAL), GERMAN (READING AND WRITING), ITALIAN (READING AND WRITING) AND RUSSIAN (READING)

REFERENCES AVAILABLE UPON REQUEST.