

Megan Willis

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EDUCATION

Boston University, Boston, MA — *Master of Science in Biostatistics*

ANTICIPATED DEC 2023

3.39 GPA

Simmons University, Boston, MA — *Bachelor of Science in Data Science and Analytics*

MAY 2022

3.84 GPA.

Minors in Biostatistics, Mathematics, and Computer Science.

EXPERIENCE

Vertex Pharmaceuticals, Inc., Boston, MA – *Statistical Programming Extern*

OCT 2022 - PRESENT

Use ggplot2 to create graphics for Type 1 Diabetes clinical trial data.

Implement Plotly to create an interactive heatmap.

Use R Shiny to generate an app for Statisticians to visualize clinical trial data.

Simmons University, Boston, MA – *Research Assistant*

JUNE 2021 - JUNE 2022

Used neural networks and feature importance to investigate prosody in R.

Worked on a team to label data using Praat.

Translated Python code to R code.

Created a working method for feature extraction in R.

Simmons University, Boston, MA – *Teaching Assistant*

SEP 2020 - DEC 2021

Assisted Professors by grading assignments in Mathematics, Statistics and Computer Science.

Helped students understand concepts during class and labs, as well as during one-on-one meetings.

SKILLS

R(Tidyverse, R Markdown, Shiny, Plotly, RJAGS), Python(Pandas, Matplotlib, Pyplot), SAS, Java, C++, SQL.

Predictive Modeling, Data Visualization, Machine Learning, Data Analysis, Bayesian Modeling, Statistical Methods.

Collaboration, Self-management, Planning, Organization, Time-management.

AWARDS

Pi Mu Epsilon Society
Member

Sigma Xi Honors Research
Society Member

Relevant Coursework

Intermediate Statistical Programming, Epidemiology, Probability, Mathematical Statistics, Statistical Methods in Epidemiology, Bayesian Modeling for PH, Advanced Linear Algebra, Applied Statistics for Clinical Trials, Linear Models.

