

# Megan Willis

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## Education

**Simmons University**, Boston, MA

**Bachelor of Science in Data Science and Analytics**, anticipated May 2022

*Minor:* Computer Science, Biostatistics, Mathematics

*GPA:* 3.79

*Honors:* Dean's List, Pi Mu Epsilon Society Member

*Relevant Coursework:* Data Science, Statistical Design & Analysis, Intro to Computer Science, Regression, Advanced Linear Algebra, Probability, Statistical Theory, Multivariable Calculus, Discrete Math, Databases, Data Mining, Causal Inference, Epidemiology, Programming Languages

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## Projects

*Temperature Change Across the U.S.: Too Hot to Handle?* (group) 2020

- Data visualization project; utilized ggplot2 and dplyr
- <https://github.com/meganEwillis/data-science>

*How can we use the data science process to predict our favorite artists?* (group) 2020

- Exhibited full data science process: utilized ggplot2, tidyverse, tidymodels
- [https://github.com/meganEwillis/project\\_3](https://github.com/meganEwillis/project_3)

*C++ Tutorial*

- Learn and create a tutorial for C++ programming language (in progress) 2021
  - [https://github.com/meganEwillis/cpp\\_tutorial](https://github.com/meganEwillis/cpp_tutorial)
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## Experience

**Simmons University**, Boston, MA | **Princeton University**, Princeton, New Jersey

*Research Assistant* 2021-present

- Use machine learning techniques to investigate prosody
- Work on a team to label data

**Simmons University**, Boston, MA

*Teaching Assistant* 2020-present

- Aid professors in class, labs, and through grading assignments
- Help students better understand course material
- Courses: Database Management Systems, Intro to Computer Science, Probability, Linear Algebra, Calculus II

**Lucky Finn Café**, Hanover, MA

2020-present

*Barista*

- Prepare handcrafted beverages for customers
  - Work with other team members to keep café running smoothly
  - Train new employees as barista's and point of sale
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## Skills

*Languages:* R, Python, SQL, Java, C++, MongoDB, JavaScript

*Data:* Data Visualization, Data Wrangling, Data Analysis, Tidy Data, Predictive Modeling, Data Mining

*Mathematics:* Statistics, Probability, Regression