

# William McWhorter

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## EDUCATION

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### Indiana University

Master of Science in Data Science

Bloomington, IN

Aug 2022 - May 2024

### Ohio University

Bachelor of Science in Applied Mathematics

Athens, OH

Aug 2014 - May 2019

Bachelor of Science in Physics

Aug 2014 - May 2019

- Graduated Summa Cum Laude

## EXPERIENCE

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### Medpace

Data Standard Analyst

Cincinnati, OH

Sep 2019 – May 2020

- Utilize SAS programming to implement edit checks for reconciliation of data discrepancies and to create SDTM data for collected study level source data.
- Utilize SAS programming to generate random kit lists, randomization schedules, and data listings for research studies.
- Create annotated CRFs and mapping specifications per CDISC SDTM standards.
- Validate CDISC SDTM data in accordance with SOPs and guidance documents and ensure SDTM data conforms to data standards expected by regulatory agencies.

### PPG Industries, Inc.

Accounting Clerk

Chillicothe, OH

Jun 2019 – Sep 2019

- Use SAP and SCM to process general ledger journal entries.
- Use ServiceNow to manage journals.

### Ohio University Academic Advancement Center

Peer Tutor

Athens, OH

Aug 2015 – May 2019

- Tutor students in Mathematics, Physics, Chemistry, and Computer Science.

## PROJECTS

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<https://www.williammcwhorter.com>

Jul 2023 – Ongoing

- Portfolio website to showcase projects completed throughout professional, academic, and personal history.
- Built utilizing Python to operate the back end, and HTML, CSS, and JavaScript for the front end.
- Projects utilize core competencies such as Python, data visualization, data analytics, and hypothesis testing.
- Links to project reports, visualizations, GitHub repositories, and direct files are linked to each project.

### Data Science South Korea/U.S. Global Lab Program (DSKUS)

Mar 2023 – Jun 2023

- [\*Comparison Study of Misinformation in Authoritarian and Non-Authoritarian Countries\*](#)
- Analyzed post content on Twitter and Weibo, in a 4-person team, regarding COVID-19 and misinformation, including topic modeling, text classification, and feature importance analysis.
- Presented and submitted to officials of the United States and South Korean governments for policy advising.

### Bayesian Theory and Data Analysis

Aug 2022 – Dec 2022

- [\*Dude, Where's My Key? A Bayesian Approach to the Determination of Mythic+ Keystone Distribution in World of Warcraft\*](#)
- Collected and transformed data through surveying, and analyzed using Bayesian statistical methods to hypothesis test the presumed distribution of keystone allocations.

## SKILLS

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**Technical:** Python (e.g., Pandas, NumPy, SciPy, Keras, Sci-Kit Learn), R, C++, SAS, MATLAB, SQL, Spark (PySpark)

**Concepts:** Statistics, Machine Learning, Deep Learning, Data Visualization, Natural Language Processing, Big Data

**Software:** Microsoft Office Suite (e.g., Excel, Access, Word), Power BI Desktop, Tableau, PostgreSQL, Snowflake

**Personal:** Quick Learner, Always Learning, Organized, Dedicated