

William McWhorter

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EDUCATION

INDIANA UNIVERSITY

Master of Science in Data Science

Bloomington, IN

Aug 2022 - May 2024

OHIO UNIVERSITY

Bachelor of Science in Applied Mathematics

Bachelor of Science in Physics

- Graduated Summa Cum Laude

Athens, OH

Aug 2014 - May 2019

Aug 2014 - May 2019

EXPERIENCE

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

<https://trillithia.pythonanywhere.com>

Jul 2023 – Ongoing

- Consolidates and centralizes data from characters within World of Warcraft to for easier and public access.
- Uses a mixture of local CSV and JSON files, web scraping, and API calls to generate and process data.
- Built from the ground up using Python (Flask), HTML, and CSS from Bootstrap.

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

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