Henry Williams (he/him)

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EDUCATION

University of North Carolina at Chapel Hill – Chapel Hill, NC   May 2021
B.S. in Statistics & Analytics, B.A. in Philosophy, Mathematics Minor
- Graduated with distinction.

Durham Technical Community College – Durham, NC   Dec. 2017
Associate in Arts
- Graduated *summa cum laude* and with honors.

EXPERIENCE

US Environmental Protection Agency – Research Triangle Park, NC   Apr. 2022 – Present
Toxicology Data Analyst
- Responsible for collecting, scraping, cleaning, checking, and organizing a variety of environmental toxicology data.

UNC Statistical/Data Science Consulting Center – Chapel Hill, NC   Jan. 2022 – May 2022
Statistical Consultant
- Worked as part of a team investigating the effects of frailty on health in older adults.
- Planning, designing, and executing analysis, from data acquisition and cleaning to modeling and communication of results.

Flyleaf Books – Chapel Hill, NC   July 2021 – Apr. 2022
Bookseller
- Providing exquisite customer service and managing the sorting and presentation of inventory.

PROJECTS

Time Series – Academic project   Jan. 2021 – May 2021
- Predicted atmospheric carbon dioxide levels using an ARMA model. Our team achieved 99.999% accuracy.

Geoinformatics – Academic project   Jan. 2021 – May 2021
- Extracted, transformed, and investigated geographic data as part of a team studying structural inequality using ArcGIS.

Machine Learning – Academic project   Aug. 2020 – Dec. 2020
- Collaborated with peers in exploring and classifying brain tumor data using a variety of machine learning methods.

Data Analysis – Personal project   May 2020 – Aug. 2020
- Planned and performed the scraping, building, cleaning, and analysis of a relational database of my Facebook message data.

Data Science – Academic project   Aug. 2019 – Dec. 2019
- Collected, cleaned, and analyzed data on global wellbeing as part of a small team.

MEMBERSHIPS

Dialectic and Philanthropic Societies – Chapel Hill, NC   Sep. 2019 – May 2021
Senator, Clerk
- Researched, wrote, edited, and presented talks on a broad range of topics to diverse audiences at weekly meetings.
- Managed all internal, external, and public communications and took minutes during all meetings as Clerk in Fall 2020.

Hussman School of Media and Journalism – Chapel Hill, NC   Sep. 2019 – May 2021
Data Journalism Mentorship Fellow
- Studied effective communication and presentation of data-driven research to audiences at all levels of understanding.

SKILLS & INTERESTS

- **Skills:** Highly skilled in R, intermediate Python, SQL, ArcGIS. Very comfortable with Git, Jira, Linux, Notebook environments, Office, Slack/Teams, and Zoom. Education included graduate-level coursework in Data Science, Machine Learning, and Mathematical Statistics. Exceptional written and verbal communication skills.
- **Interests:** Singing, math, ecology, literature, Effective Altruism, theology, chess.