
RELEVANT EXPERIENCE

CHARTMETRIC, Data Analyst

10.23-Present

- Delivering high-impact data analyses daily using SQL for internal teams and external clients, informing music industry business decisions, marketing research projects, product development, and more, scaling from ad-hoc data requests to long-term projects, such as the **Make Music Equal** project and **Trigger Cities 2024** report.
- Creating and automating data pipelines using Python and **Airflow** to optimize query execution and customized table creation, supporting connections across various data warehouses to power external visualization tools and internal product features.
- Building informative and insightful dashboards for technical and non-technical users with tools such as **Looker**.
- Head analyst on the Chartmetric **Year in Music 2023** report. Wrote and automated hundreds of queries for all data points and assisted development of visual and information design.

IGS ENERGY, Data Consultant

03.23-05.23

- Produced robust Home Warranty Claim predictions and presented valuable findings to stakeholders. Cleaned and investigated raw data to create a **predictive statistical model**, using **Jupyter Notebooks** and **Python**.

THE OHIO STATE UNIVERSITY OFFICE OF ADVANCEMENT, Data Consultant

01.23-03.23

- Presented **meaningful business insights** developed from **statistical exploration** of raw customer segment data. Used **RStudio** to clean data and build complex statistical models and data visualizations.

ABERCROMBIE and FITCH CO., Data Strategy Intern

06.22-08.22

- Extracted specific customer segment data from the Snowflake **CRM** platform using complex SQL queries, delivering insights on demographics, behaviors, and predictions for strategic development and **A/B testing**.
- Developed and presented an accelerated learning model for a data visualization, earning enthusiastic support from digital and technology department leaders.
- Collaborated with interns to present a winning solution to a cross-functional business challenges, receiving positive feedback from judges.
- Optimized the web analytics tag management database architecture, enhancing metadata storage for tag data from multiple sources.

THE OHIO STATE UNIVERSITY DEPARTMENT of SOCIOLOGY, Research Assistant

01.20-04.23

- Created **DCiFR** (Demographic Characteristics in Facial Recognition), a Python graphical user interface allowing users to run facial attribute analyses on photos from their own device despite their level of technical ability. Presented this work at the **Population Association of America** conference in April of 2022.
- Worked collaboratively with the openVA team to build a temporal database architecture for large-scale population data in **SQLite**. Helped to create and code GUIs in Python for users to interact with verbal autopsy algorithms, addressing the **global public health concern** for undocumented deaths and ensuring technological accessibility across the world.
- Served as Assistant Researcher on a long-term computational social science research project **evaluating race and inequality on the internet and in academia** with data analysis, web scraping, and facial recognition tools.

GARYFALLIDIS RESEARCH GROUP, Software Development Intern

05.20-05.21

Indiana University School of Informatics, Computing, and Engineering

- Acted as a developer for FURY, an international open-source scientific visualization project, under a research group focused on developing medical imaging solutions with the help of software development and machine learning solutions.
- Wrote several 3D visualization and animation tutorials in **Python** for new users of FURY and implemented new shapes and functions to expand the FURY library using 3-dimensional calculus math and several Python packages including **VTK9** and **NumPy**. Merged several pull requests to the main **GitHub** branch, and also assisted in editing those of others.

TECHNICAL SKILLS

Advanced: **SQL, Python, Hex, R, Tableau, Looker, Java, Git/GitHub, ClickHouse, Snowflake**

Proficient: **PowerBI, HTML/CSS, Adobe Illustrator, Linux, Machine Learning, C, Statistical Analysis**

EDUCATION

The Ohio State University, Columbus, Ohio

Bachelor of Science: GPA: **3.707**; Major: **Data Analytics**, specialization in **Data Visualization**; Minor: **Sociology**,

Graduated on May 7th, 2023 Magna Cum Laude with Honors in the Arts and Sciences.

Campus Involvement: **Data Analytics Path Peer Mentor** (AU21-SP23), **Translational Data Analytics Institute Student Member** (AU21-SP23), **Big Data Analytics Association Member** (AU19-SP23).