MELINA RAGLIN

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RELEVANT EXPERIENCE

CHARTMETRIC, Data Analyst   **10.23-Present**

- Delivering high-impact ad hoc analyses daily using **SQL** for internal teams and external clients, informing business decisions, music industry research, product development, marketing/social media, and more.
- Creating, monitoring, and optimizing automated data pipelines on a daily basis using **Python** scripts and **Airflow** to power external data shares and cutting-edge product developments with high-quality data.
- Building informative and interactive **dashboards** for external clients using internal dashboard technologies and tools such as **Looker**. Empowering music executives with daily insights through extensively customized visualizations and features, collaborating regularly with clients to ensure dashboards meet business needs.
- Main analyst/engineer creating a data architecture of hundreds of customized denormalized entity-level tables to support cutting-edge **LLM data assistant**, the first of its kind in the music industry. Regularly supporting product innovation through prompt engineering and implementation of user feedback at a data and agent level.

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 customer segment data from the **CRM** platform using SQL Snowflake daily, delivering insights on demographics, behaviors, and predictions to inform strategic development and **A/B testing** methodology.
- Collaborated with other interns to present a winning solution to a cross-functional business challenges, receiving enthusiastic support from digital and technology department leaders and executives.
- Optimized the web analytics team's **tag management database architecture**, enhancing metadata storage for tag data from multiple social media data sources such as YouTube, Facebook, and Snapchat.

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**
I**ndiana University School of Informatics, Computing, and Engineering**

- Wrote several 3D visualization and animation tutorials in **Python** for new users of FURY, an international open-source scientific visualization project for medical imaging solutions. 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, Airflow, R, Tableau, Looker, Git/GitHub, ClickHouse, Snowflake, Hex**
Proficient: **Java**, **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).

VOLUNTEERING & ORGANIZATIONS

Break Through Tech, AI Program Mentor   **05.25-Present**
Women in Analytics, Member   **04.24-Present**
Women in Music (NYC), Member   **11.23-Present**