

LILY LOYER

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The Ohio State University	Bachelor of Science, Astrophysics & Astronomy Minor: Philosophy	May 2021
Eastern University	Master of Data Science	Expected: August 2024

EXPERIENCE

Power Digital Marketing – *Data Engineer*; Columbus, OH Jan 2023 – Present

- Lead Engineer on data warehouse pipeline design and implementation of semi-structured data by connecting 100+ integrations.
- Design ETL's in AWS and Snowflake using S3, Step Functions, Serverless, Lambdas, and Snowpark.
- Implement modular codebase for client OPT and enterprise MTT databases in Snowflake.
- Communicate with business stakeholders to ensure integrations satisfy business needs.

Polaric By Sproutward – *Data Engineer*; Columbus, OH June 2021 – Jan 2023

- Construct and maintain data pipeline processing 50+ data sources of semi-structured and unstructured data from various ETL Vendors utilizing DBT.
- Develop and maintain a python audit server deployed on Cloud Run maximizing visibility for deployments and testing.
- Lead Release Engineer of deployments of 15+ clients in a multi-tenant infrastructure.
- Build and design front and back-end Looker Dashboards utilizing e-commerce knowledge.
- Implement various Node.js micro-services to automate CICD development pipeline improving engineering efficiency by up to 75%.

The Ohio State University – *Research Assistant*; Columbus, OH May 2020 – May 2021

- Manipulate, clean, and apply statistical approach to data to analyze stars in database of over 20,000 stars.
- Apply classification scikit-learn python method to unusual data and compare with other data sets.
- Develop automatic synthetic spectra python code for post-doc and faculty use.

Asea Brown Boveri (ABB) – *Data analyst Intern*; Columbus, OH May 2019 – Jan 2021

- Analyze database weekly reporting through MySQL and Excel for the general automotive team.
- Implement the data structure and visualization of the Projects Dashboard utilizing Java React.
- Support the rapid implementation of Remote Insights Application during COVID-19.

ACADEMIC PROJECTS

Analyzing Unusual Stars on the Kepler Field – *Senior Thesis*; The Ohio State University May 2021

ADDITIONAL INFORMATION

Development Skills: Python, SQL, DBT, GCP, Looker, AWS, Snowflake, Data Modeling, CI/CD, ETLs, Docker

Certifications: Probability and Simulation Inference for Data Science (2022), Data Exploration and Visualization (2022)

Interests: Cooking, Reading, Hiking, Kayaking, Stargazing, Traveling