

Jenna Jordan

Work Experience

Data Engineer

Jan 2022 - Present

City of Boston Analytics Team (Department of Innovation & Technology)

- Initiated and led the engineering team's migration of legacy ETL pipelines to dbt and corresponding redesign of the Analytics Team data warehouse and orchestration pipelines; enabling the creation of the team's first data catalog and jumpstarting data governance efforts, better oversight over and analysis of our pipelines and data, and improving the efficiency of both computational resources and the engineers' development flow
- Built out custom ETL pipelines that joined together many disparate data systems that each contained part of the answer to major asks from the Mayor, such as tracking how long it takes for affordable housing projects to be approved and tracking improvement over time

Data Engineer, Analyst, & Computational Methods Instructor

Sep 2020 - Nov 2021

Independent Contractor for: Network Contagion Research Institute; Bright Wolf

- Built custom ETL pipelines to ingest data from social media platforms (e.g. Telegram), enabling this OSINT data to be integrated into PushShift and analyzed for disinformation/extremism
- Built a streamlit web app to visually analyze Bright Wolf's marketing data from Salesforce, email campaigns, and company data enrichment; built the ETL pipelines to ingest data from these sources via APIs into a local database; enabling the sales team to see overarching trends
- Delivered workshops on computational skills to NCRI's undergraduate interns

Skills

Languages: python, SQL, git, bash, YAML/YAQL, jinja, regex, XPath, R (tidyverse), SPARQL

Featured libraries: dbt, pandas, streamlit, plotly, SQLAlchemy, Great Expectations

Data Stores: PostgreSQL (+ PostGIS), SQLite, duckdb, JSON, XML, RDF (knowledge graphs)

Other tools: Civis Platform, Jira, GitHub, ArcGIS Pro, OpenRefine

Concepts: data modeling (3NF, star schema), relational and analytical database design, data orchestration (ETL pipelines), data management and governance

Publications & Presentations

From coast to coast: implementing dbt in the public sector

talk presented at Coalesce (by dbt Labs); San Diego, CA

Oct 2023

Interactive Data Visualizations in Python

workshop published in The Carpentries Lesson Incubator

Aug 2021

Python can be tidy too: pandas recipes for normalizing data

poster presented online for PyCon 2020

May 2020

Put Relational Databases in Your Data Curation Toolbox

poster presented at ASIS&T Annual Meeting; Melbourne, AUS

Oct 2019

Education & Certificates

Master of Science, Library and Information Science

University of Illinois at Urbana-Champaign

May 2020

Bachelor of Arts, Journalism, Political Science (with honors)

University of North Carolina at Chapel Hill

May 2015

dbt Developer, certificate from dbt Labs

Oct 2023

Analytics Engineering with dbt, certificate from CoRise

Mar 2022

Certified Instructor, certificate from Software Carpentries

Feb 2020



jennajordan.me



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