

BEN MEIER

📍 Madison, WI

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🌐 <https://bennnys.github.io/Ben-Meier/>

SUMMARY

A programmer passionate about leveraging automation, data and technology to promote open government and improve socioeconomic and environmental issues. I have 11 years of experience working as programmer to leverage data and technology to inform research, policy and regulation in banking and biopharmaceuticals.

EDUCATION

Master of Information and Data Science, University of California, Berkeley

📅 2022 – 2024

- GPA 4.0 of 4.0
- Completed coursework: data engineering, machine learning, experiment design, applied statistics

BS, Applied Math, Industrial Engr, Iowa State University

📅 2011 – 2016

- GPA 3.9 of 4.0, summa cum laude

TECHNICAL SKILLS

Programming: Python, R, Scala, SAS

Data engineering: PySpark, Airflow, Hadoop, Neo4j, PostgreSQL (psycopg2), SQL Server (SSIS), Mongo, Redis, MarkLogic (RDF/triple store), SPARQL

Data munging: Spark, PySpark, Pandas, numpy, Hive, Impala, T-SQL

Cloud: Linux, Docker, AWS (S3, EC2, Sagemaker, boto3)

Collaboration: Jira, Agile, Git, GitHub/GitLab, CML, Anaconda, Jupyter

Machine Learning: Keras TensorFlow, Scikit-learn

Visualization: Tableau, Power BI, Spotfire, Python (Matplotlib, Seaborn, Plotly), R (ggplot), HTML, CSS

Methods: Machine learning (clustering, K means, K nearest neighbors, decision trees, random forest, naive Bayes, neural networks, CNN), Statistics (logistic/linear regression, gradient descent)

PROFESSIONAL EXPERIENCE

AbbVie Biopharmaceutical

📍 Chicago, IL

Data Scientist II, Information Research

📅 2023 – Present

- Developed custom python data pipeline to orchestrate and transform source data into RDF (triple-store) for entity reconciliation
- Orchestrated data pipelines and implemented data testing framework using Airflow
- Reconfigured three knowledge extraction pipelines through normalization, knowledge extraction, and graph representation
- Implemented new code deployment and promotion process with external contractors
- Developed python module standardize and extend PySpark functionality amongst team
- Developed custom python code to parse corrupted xml files

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AbbVie Biopharmaceutical (continued)

📍 Chicago, IL

Data Scientist II, Information Research

📅 2023 – Present

- Documented new features and processes using confluence and created training videos to help cross-train and coach new employees/contractors
- Created new Development and QA environments to ensure seamless code handoffs to Production operations team

Federal Reserve Bank of Dallas

📍 Dallas, TX

Programmer Analyst II, Research and Statistics

📅 2019 – 2023

- Developed four extract-transform-notify python automation jobs to eliminate over 700 hours of staff work per year
- Designed and implemented new ETL process to transition survey collection platform to PaaS
- Performed data migration and database design to on-board two new survey collections
- Developed dashboard for preliminary survey data to enable real-time data access for researchers, thus eliminating a 1-day delay
- Developed python scripts to migrate survey data to new database environment
- Provided research support and analysis for real-time economic updates in the 11th District

Federal Reserve Bank of Dallas

📍 Dallas, TX

Business Operations Analyst, Houston Branch

📅 2016 – 2018

- Improved data collection and analysis of district cafeteria IRS de minimis calculation
- Analyzed and summarized regional economic conditions for the Board of Directors

PROJECTS

Predicting Building Site Energy Usage

- Predicting building site energy usage using building performance data. Linear regression and random forest models were trained, but a random forest showed the lowest mean absolute error (TensorFlow, sklearn)

Exploratory Data Analysis of Los Angeles Traffic Collisions

- Course final project demonstrating experience with EDA and visualization in python (pandas, Seaborn)

VOLUNTEER

- Mentored 2nd grade students through coding challenge (Bold Idea/ideaSpark)
- Sustainability Initiative (project manager for waste management, data analyst for calculating travel emissions)
- Eagle Scout