

Ethan Feldman

Data Engineer

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I am a data engineer with a focus on machine learning applications. A former educator, I bring years of communication and instruction experience to cross functional collaboration and product delivery.

EXPERIENCE

Avant, Remote

Data Platform - ML Engineer, *March 2023-present*

- Own Avant's model building environments, deployment, serving, monitoring, and dataset management
- Implemented ETL framework on Airflow 2.0 with ingestion to Databricks and Cosmos dbt DAGs for managing transformations
- Designed and launched model monitoring pipelines for all live ML models to feed Datadog alerting with additional executive business facing Looker dashboards
- Deployed an ensemble TensorFlow and XGBoost batch scoring pipeline for a customer behavior score with weekly drift detection for a population of over 1.5 million consumers
- Launched an intervention workflow for ML model explanations for declined customers to support compliance and customer experience requests, meeting 100% of response SLAs while increasing observability

Data Management Lead, *January 2022-March 2023*

Senior Data Management Analyst Campaign Execution, *June 2021-December 2021*

- Led end-to-end migration from legacy warehouse owned by sister company to an internal lakehouse, saving \$10k daily as of the end of Q1 2023. I designed the data model for the internal lakehouse, established new pipelines, and executed a comprehensive data audit, ensuring seamless data continuity and increased data quality.
- Improved monthly customer account review pipeline by updating SQL queries leading to a decrease in matching errors with TransUnion of over 90% resulting in a similar reduction in corrective actions
- Created business wide training materials for Python workflow management platform, Looker, SQL, and Alation and hosted learning sessions for 200 colleagues on each topic, receiving positive feedback from attendees and leadership. Training materials have been added to new hire onboarding
- Directly managed one report and two business intelligence fellows

Metis, Remote

Data Scientist, *December 2020-May 2021*

- As a TA, provided instruction and group review sessions on topics such as Python, machine learning algorithms, NLP, and SQL. Also, led code review and provided presentation mentorship.
- Completed an intensive 12 week accredited data science bootcamp (projects available on my website)

Illuminated Brew Works, Chicago, IL

Director of Operations and Brewer, *June 2018 - December 2020*

- Managed production, packaging, sales, accounting, and account management at a brewery recognized by the Brewer's Association as one of the 50 fastest growing in the United States

Evanston Township High School, Evanston, IL

Mathematics and Statistics Teacher, *August 2012 - June 2018*

- Tenured teacher of courses including BC Calculus, AP Statistics, and Precalculus with experience in curriculum design, teacher mentoring, and project based learning

EDUCATION

- Masters of Mathematics Education, DePaul University, Chicago
- Bachelor of Science in Mathematics, University of Illinois, Urbana-Champaign

SKILLS AND TOOLS

- **Languages:** Python, SQL, PySpark
- **Analysis/Visualizations:** Jupyter, Tableau, Looker, Streamlit
- **Infra/Tooling:** Databricks, AWS, Docker, Airflow, Dremio, dbt
- **Data Science:** Regression, Classification, Unsupervised Learning, NLP, A/B Testing, mlflow, h2o.ai