

# Daniel Learner

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## EDUCATION

**University of Chicago** | M.S., Computer Science June 2019  
**Northwestern University** | B.S., Psychology and Theater June 2014

## WORK EXPERIENCE

**Principal Data Scientist** | Spins LLC Dec 2023 – Feb 2025

- Developed machine learning products using data from natural and organic grocery retailers.
- Mentored, managed, and guided junior data scientists and ML engineers, promoting the adoption of industry best practices and setting team standards for writing robust, maintainable, codebases.
- Provided a data science POV in larger scale, cross-team, product architecture planning and implementation.
- Managed the end-to-end lifecycle of machine learning models, including data preparation, feature engineering, model training, evaluation, and production deployment.
- Implemented a routing agent to make data science tools accessible to both technical and non-technical partners across the organization via a FastAPI REST endpoint and Streamlit frontend.

**Senior Data Scientist** | Spins LLC Dec 2019 – Dec 2023

- Implemented a new Data Science model serving architecture which provided REST service endpoints for models and increased cross team data accessibility. Primarily uses FastAPI, Cloud Run, and Cloud SQL.
- Led a team in the creation and productionization of NLP and CV models which automate retailer sales data classification. Used Transformer (BERT) models to predict item attributes from short retailer descriptions.
- Built system to predict which newly launched items would sell the best in the future to aid retailers with inventory decision making.
- Ran A/B testing to determine the impact of Spins data on client success across verticals

**Data Scientist** | TBWA Sept 2018 – Sept 2019

- Led the data science relationship with Nike search engine optimization stakeholders.
- Designed and built a data pipeline on AWS which processed millions of rows of daily search engine data. This work directly led to improved data accessibility, automated reporting, and anomaly detection.
- Introduced regression-based models to client forecasting, enabling better-informed decision making.

**Senior Data Scientist** | Digitas Sept 2016 – Nov 2017

**Data Scientist** | Digitas Sept 2014 – Aug 2016

- Managed digital marketing data science projects for client accounts in finance, CPG, telecommunications, and retail, each with a media spend of \$25 million - \$200 million annually.
- Built a decision tree model, which produced daily conversion proxies for business analysts.
- Ran frequent A/B tests to optimize client spend and website conversion rate.

**Additional Skills:** Python, R, Java, JavaScript, GCP, AWS, Git, SQL, Docker, Kubernetes, Airflow, PySpark, Concourse, Tableau, PyTorch, TensorFlow, Streamlit, LangChain, RAG, Hugging Face, FastAPI, BentoML