

# DAN VATTEROTT

St. Louis, MO

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## EXPERIENCE

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### Showtime Networks Inc

October 2019 - Present

*Senior Data Scientist*

*Remote*

- Managed team of two data scientists
- Built data-pipeline that enables direct attribution of marketing actions to KPIs
- Oversaw development of model for that assigns revenue to Showtime's content based on subscriber acquisition and retention
- Oversaw development of a marketing mix model that measures the effectiveness of different marketing channels at Showtime
- Refactored daily spark job which resulted in an 83% reduction in runtime/costs

### Showtime Networks Inc

May 2017 - October 2019

*Data Scientist*

*Remote*

- Built data-pipelines using Python and Apache Spark that transforms raw data from millions of customers into analyst-ready SQL tables
- Trained and deployed Machine Learning models (Apache Spark) that predict future customer behaviors (e.g., churn)
- Built an Apache Airflow server (AWS) for coordinating and scheduling distributed-computing jobs (e.g., calling data-pipelines and machine learning models)
- Built automated jobs that verify the quality of data-pipeline input and output data

### Insight Data Science

January 2017 - May 2017

*Data Science Fellow*

*New York, NY*

- Built Sifting the Overflow, a chrome extension that highlights helpful parts of Stack Overflow answers
- Ingested 500,000 Stack Overflow answers into a Postgres database
- Trained a recurrent neural network to identify helpful portions of Stack Overflow answers
- Built a web-app front-end (Flask, AWS) describing my chrome extension

## EDUCATION

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### University of Iowa

*June 2015*

PhD in Psychology

Concentration in Experimental Psychology

### University of Wisconsin

*May 2009*

B.S. in English and Psychology

## TECHNICAL SKILLS

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### Computer Languages

Python, Spark, Bash, JavaScript (d3)

### Databases

SQL (PostgreSQL, HiveQL, MySQL)

### Operating Systems

Linux (Ubuntu, Debian), OSX, Windows