

# Dan Vatterott

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## EXPERIENCE

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### Showtime Networks Inc

Senior Data Scientist

October 2019 - Present

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
- Overcame engineering challenges to reduce the runtime of a daily, automated job by 83%

### Showtime Networks Inc

Data Scientist

May 2017 - October 2019

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

Data Science Fellow

January 2017 - May 2017

New York, NY

- Built *Sifting the Overflow*, an NLP powered chrome extension that highlights helpful parts of Stack Overflow answers
- Built a web-app front-end (Flask, AWS) describing my chrome extension
- Trained a RNN (deep learning; Keras) to identify helpful parts of Stack Overflow answers
- Served Machine Learning model outputs via a web-app built using Flask (AWS)

## EDUCATION

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### University of Iowa

PhD in Psychology

Concentration in Experimental Psychology

June 2015

### University of Wisconsin

B.S. in English and Psychology

May 2009

## TECHNICAL SKILLS

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### Computer Languages/Frameworks

### Databases

### Operating Systems

Python, Spark, Bash, JavaScript (d3)

SQL (PostgreSQL, HiveQL, MySQL)

Linux (Ubuntu, Debian), OSX, Windows