

# ZOE FARMER

————— Data Scientist / Machine Learning Engineer —————

Data Scientist Internship  
Khan Academy

2016

*Built a probabilistic and Markov-chain network infection model for the interview ([github.com/thedataleek/kahn-interview](https://github.com/thedataleek/kahn-interview)). Developed new features, enhanced metrics, and maintained [khanacademy.org](https://khanacademy.org). Used investigative analytics to research SAT test scores. Developed a generalized learning model to assist with student growth and projection estimates for the SAT preparation tool.*

Data Scientist Internship  
Shutterstock

2015

*Created an Apache Spark application to handle large scale ETL tasks on top of Shutterstock's Hadoop platform, as well as deployed and developed in-house big-data solutions*

Data Scientist Internship  
SpotXChange

2014

*Developed an automatic Tableau Server reporting tool based on the semi-public API. Analyzed time-series data in an effort to identify similarities and overlapping data. Created a probabilistic model to analyze potential single-threaded scheduler optimizations*

Data Visualization Internship  
MITRE

2013

*Created network data visualizations based on packet transfer data using common visualization libraries and tools. Responsible for challenges and solution implementations for the 2013 security Capture the Flag event.*

## Projects

- PyColorado 2019 Board
- Boulder Python 2016-2019
- Black Arrow CLI Tool
- Discord Chat Plugins
- Hackathon Winner SQL/GPT4
- D3 Framework

## Hobbies

Sewing  
Dungeons & Dragons  
Martial Arts  
Video Games



References Available Upon Request