

Janae Nicholson, Ph.D.

Olathe, KS | [Connect and Message me on LinkedIn](#)

SUMMARY

Experienced Data Scientist with a demonstrated history in machine learning looking to connect with data driven organizations.

TECHNICAL SKILLS

- Machine Learning and Statistical analysis with Python, R, and SAS
- Big Data Tools: Hadoop, Hive, Impala, Spark (Pyspark and sparklyr), and Sparkling Water
- Time series forecasting, classification, regression, recommendation systems, topic modeling, machine learning interpretability

EDUCATION

Master of Business Administration

University of Saint Mary; Overland Park, Kansas

Expected 2022

Doctor of Philosophy in Statistics

Oklahoma State University; Stillwater, Oklahoma

May 2013

Master of Science in Statistics

Oklahoma State University; Stillwater, Oklahoma

December 2005

Bachelor of Science in Mathematics

University of Kansas; Lawrence, Kansas

May 2000

EXPERIENCE

Sr. Data Scientist, ML Lab

H&R Block; Kansas City, Missouri

February 2017 - Present

- Project manager on Data Science initiatives using internal and external staff
- Led user transition from SAS on private machines to a shared big data analytics platform
- Managed churn modeling projects for four years in a row including allocating work and overseeing results
- Built predictive models in Spark using Spark ML and H2O.ai Sparkling Water

Data Scientist

Cerner; Kansas City, Missouri

July 2013 – February 2017

- Topic Modeling, sentiment analysis and text analytics of client and employee comments
- Built and compared many different recommendation algorithms for consulting services
- Built Statistical models to predict patient outcomes using R
- Wrote SQL queries to gather patient encounter data in a structured database

Graduate Teaching Assistant

Oklahoma State University; Stillwater, Oklahoma

August 2006 – May 2011
& August 2003 – December 2004

- Taught a class of 14 to 70 students each semester

Graduate Research Assistant

Oklahoma State University; Stillwater, Oklahoma

January 2005 – August 2006

- Investigated projects for University administrators including student retention

Biostatistics Intern

Quintiles; Kansas City, Missouri

May – August 2004

- Contributed to several teams on phase II, III, and IV studies

Research Statistician

Market Planning Solutions Inc; Tulsa, Oklahoma

July 2000 – August 2003

- Facilitated bringing prototype geospatial models to production
- Constructed, debugged, and maintained prototype models in SAS
- Performed simulations to check model behavior