



Heath Yates

MACHINE LEARNING ENGINEER

Kansas City

✉ hlyates@ksu.edu | 🏠 www.heathyates.com | 📷 heathyates | 🌐 heathyates

I am a machine learning engineer at Centene. I am also an adjunct professor at Kansas State University. I like to innovate, solve problems, and write code. I have 7 years of combined experience in data analytics, software engineering, and research.

Skills

Workbench

VISUAL STUDIO CODE, RSTUDIO IDE, JUPYTERHUB, JUPYTER NOTEBOOKS

Python

VENV, PANDAS, NUMPY, SCIKIT-LEARN

R

RENV, TIDYVERSE, DISTILL, GGLOT2, RMARKDOWN, SHINY

Databases

TERADATA, ORACLE, MONGO STUDIO 3T

GitOps

GITLAB, GITHUB, HELM, RANCHER

Employment

Machine Learning Engineer

Remote

CENTENE

September 2021 -> Present

- Tools – Python, R, Shiny, SQL, Mongo, Helm, Rancher, and Gitlab
- Payment Integrity Application – Support an application that is focused on claims integrity that contributes to savings
- SSI Model – Support putting an SSI prospecting model that uses XGBoost into production that identifies members who are likely to qualify for SSI benefits
- Documentation – Support documentation for applications, models, and dashboards that team supports
- GitOps - Deploy applications into production onto kubernetes using gitlab, docker, helm configuration, and rancher
- Data Science Community – Member of data science continuing education leadership team at Centene which organizes outreach on R and python topics

Adjunct Professor

Remote

KANSAS STATE UNIVERSITY

September 2018 -> Present

- Research – Exploring new applications and approaches to applied data analytics
- Education – Developing materials to make applied data analytics more accessible

Clinical Data Scientist

Lenexa - Kansas

SUNFLOWER HEALTH PLAN

August 2018 -> September 2021

- Tools – R, Rmarkdown, SQL, Excel, and Gitlab
- Clinical Reports and Dashboards – Monitored progress with assigned state paid for performance plans that led to substantial financial savings
- Statistical Reports – Implemented annual reports to track progress and provide data insights on state performance improvement plans
- Data Analytics – Ad hoc analysis for metrics related to quality and LTSS members

Software Engineer

Manhattan - Kansas

BIOSECURITY RESEARCH INSTITUTE

September 2014 -> July 2018

- Tools – C#, .NET Core, SQL Server, and Excel
- Select Inventory Application – Application to track facility assets in a user interface and SQL server database
- Compliance Application – Application to track compliance with training and certification requirements for personnel at the facility

Education

Doctorate of Philosophy (PhD)

Computer Science

KANSAS STATE UNIVERSITY

Master of Science

KANSAS STATE UNIVERSITY

Statistics

Master of Science

EMPORIA STATE UNIVERSITY

Mathematics