Heath **Yates**

MACHINE LEARNING ENGINEER

Kansas City

✉ hlyates@ksu.edu | ⌂ www.heathyates.com | ⊙ heathyates | in 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 STUDO CODE, RSTUDIO IDE, JUPYTERHUB, JUPYTER NOTEBOOKS

Python

VENV, PANDAS, NUMPY, SCIKIT-LEARN

R

RENV, TIDYVERSE, DISTILL, GGPLOT2, 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*

CENTENE *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   *Statistics*

Kansas State University

Master of Science   *Mathematics*

Emporia State University