Heath **Yates**

SENIOR MACHINE LEARNING ENGINEER · ADJUNCT PROFESSOR

Kansas City

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"Be the change that you want to see in the world."

Summary

I am a machine learning engineer at Artisight. I am also an adjunct professor at Kansas State University. I like to innovate, solve problems, and write code. I have 8 years of combined experience in machine learning, software engineering, and statistical analysis

Skills

Python

VENV, PANDAS, NUMPY, SCIKIT-LEARN, PYTORCH, PYTEST, PYDANTIC

MLE Stack

LABELSTUDIO, TRITON, CLEARML, KAFKA, POSTGRESQL, TERADATA, S3

MLOps

GITLAB, GITHUB, DOCKER, ANSIBLE, TERRAFORM, AWS EC2

Workbench

VS CODE, VIM, JUPYTERHUB NOTEBOOK, UBUNTU/WSL2, JIRA, CONFLUENCE

Work Experience

Artisight   *Remote*
SENIOR MACHINE LEARNING ENGINEER   *June 2022 - Present*

- AI Patient Room - ML engineer support for AI applications in patient room such as fall prevention
- Platform - Design, implement, and maintain services that support AI systems on the backend
- MLOps - Deployment, Automation, Standardization of AI systems using gitlab, docker, ansible, and terraform
- Documentation - Support documentation for ML systems and team documentation

Kansas State University   *Olathe, Kansas*
ADJUNCT PROFESSOR   *September 2018 - Present*

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

Centene   *Remote*
MACHINE LEARNING ENGINEER)   *September 2021 - May 2022*

- Payment Integrity Application - Supported an application that focused on claims integrity that contributed to savings
- SSI - Supported putting an SSI prospecting model that used XGBoost into production that identifies members who are likely to qualify for SSI benefits
- MLOps - Deployed applications into production into kubernetes using gitlab, docker, helm configuration, and rancher
- Documentation - Supported documentation for applications, models, and dashboards supported by the team
- Data Science Community - Member of data science continuing education leadership team at Centene which outreach on R and python topics

Clinical Data Scientist   *Lenexa, Kansas*
CENTENE - SUNFLOWER HEALTH PLAN   *August 2018 - September 2021*

- 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

Biosecurity Research Institute   *Manhattan, Kansas*
SOFTWARE ENGINEER   *September 2014 - July 2018*

- Select Inventory Application - Support for application to track facility assets in a user interface and SQL server database
- Compliance Application - Support for application to track compliance with training and certification requirements for personnel at the facility

Education

Doctorate of Philosophy   *Computer Science*

Kansas State University

Master of Science   *Statistics*

Kansas State University

Master of Science   *Mathematics*

Emporia State University

Bachelor of Science   *Mathematics*

University of Missour - Kansas City