



# Heath Yates

SENIOR MACHINE LEARNING ENGINEER · ADJUNCT PROFESSOR

Kansas City

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

*"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

### MLOps

GITLAB, GITHUB, DOCKER, KAFKA, ANSIBLE, TERRAFORM, AWS EC2, S3

### MLE Stack

CLEARML, LABELSTUDIO, TRITON, POSTGRESQL, TERADATA, ORACLE

### Workbench

VS CODE, VIM, JUPYTERHUB NOTEBOOK, JIRA, CONFLUENCE

## Work Experience

### Artisight

SENIOR MACHINE LEARNING ENGINEER

*Remote*

*June 2022 - Present*

- AI - Support AI scientists to professionalize and automate ML systems
- Platform - Design, implement, and maintain services that support ML systems on backend
- MLOps - Support for production ML systems
- Documentation - Support documentation for ML systems and team documentation

### Kansas State University

ADJUNCT PROFESSOR

*Olathe, Kansas*

*September 2018 - Present*

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

### Centene

MACHINE LEARNING ENGINEER

*Remote*

*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 support 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

CENTENE - SUNFLOWER HEALTH PLAN

*Lenexa, Kansas*

*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

SOFTWARE ENGINEER

*Manhattan, Kansas*

*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

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<b>Doctorate of Philosophy</b> KANSAS STATE UNIVERSITY	<i>Computer Science</i>
<b>Master of Science</b> KANSAS STATE UNIVERSITY	<i>Statistics</i>
<b>Master of Science</b> EMPORIA STATE UNIVERSITY	<i>Mathematics</i>
<b>Bachelor of Science</b> UNIVERSITY OF MISSOURI - KANSAS CITY	<i>Mathematics</i>