

# JULIANA HIRT | RESUME

»» Data has a better idea. ««



- » **Status:** PhD Student, Researcher, Senior Analytics Engineer
- » **Fields:** Distributed Data Engineering, Cloud Infrastructure
- » **Stack:** Python, SQL, Spark, Distributed Computing, LaTeX
- » **Tools:** Git, Visual Studio Code, Databricks, Azure, AWS
- » **Activities:** Hockey, Table Top Games, Video Games, Swimming

## Senior Data Engineer (West Bend Mutual Insurance) 2024 - Now

- » Designed and developed a cost-conscious ingestion process for centralized data stores
- » Mentored associates in distributed computing paradigms and CI/CD practices

## Senior Analytics Engineer (Northwestern Mutual) 2021 - 2024

- » Responsible for the design and development of data science pipelines for compliance monitoring
- » Facilitated data pipeline migration from on-premise hardware to the cloud

## Graduate Research Assistant (University of Wisconsin-Milwaukee) 2022 - Now

- » Assisted with survey instrument design and data collection
- » Responsible for model creation and data analysis

## Adjunct Professor (University of Wisconsin-Milwaukee) 2019 - 2022

- » Lead students through an experiential course in data management and information retrieval
- » Mentored new IT professionals through independent projects and internships

## Insight Engineering - Team Lead (Crisis Prevention Institute) 2020-2021

- » Developed an enterprise-wide data consumption and reporting platform
- » Upscaled marketing campaigns through the creation of consolidated customer profiles

Check out my LinkedIn - [linkedin.com/in/data-first-mke](https://www.linkedin.com/in/data-first-mke)

EXPERIENCE

## PhD Student - Information Science (University of Wisconsin - Milwaukee) 2022 - Now

- » Focused on the development of a data profiling algorithm for distributed compute environments
- » Assisting in research focused on the strategic description and organization of fiction books

## Master's - Information Science (University of Wisconsin - Milwaukee) 2016-2018

- » Masters Thesis: A novel application of NLP for library chat systems
- » Supported undergraduate students as a teaching assistant

## Bachelor's - Mathematics (University of Wisconsin - Milwaukee) 2008-2016

- » Bachelors Thesis: The application of numerical analysis to detect failure points in eSports matches
- » Focused on applications of mathematical modeling and game theory in Python

## Certifications (Independent) 2020-2021

- » Azure AI Fundamentals, Azure Fundamentals, Azure Data Fundamentals
- » MTA: Database Fundamentals, Marketo Engage Business Practitioner

EDUCATION