

# RYAN RENKEN

## DATA SCIENTIST

### CONTACT

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[Rrenken0513@gmail.com](mailto:Rrenken0513@gmail.com)

[Website](#) | [LinkedIn](#)

### TOOLS

Python

PyTorch, Pandas, etc.

R

Git

SQL

Docker

Spark/Hadoop

Power BI

Snowflake

Microsoft Office

### SKILLS

Machine Learning

Deep Learning

Artificial Intelligence

Predictive Modeling

Statistical Methods

Data Mining

Data Visualization

Exploratory Data Analysis

Database Development

Model training/validation

Sports Analytics

Segmentation Analysis

Communication

### PROFILE

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Data Scientist with extensive academic training and hands-on analytics experience. I hold an M.S. in Data Science and an M.S. in Analytics, specializing in machine learning, deep learning, and advanced statistical analysis. With a proven record of leading data-driven projects—as both a Graduate Assistant and a Staff Consultant—I excel at harnessing Python, R, and SQL to extract actionable insights and drive innovative solutions. Now transitioning from academia back to industry in the Chicago area, I am eager to apply my technical expertise and collaborative mindset to impactful machine learning projects.

### EMPLOYMENT HISTORY

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**Graduate Assistant, Bowling Green, OH**

Aug 2023—May 2025

Bowling Green State University

- Collaborate with faculty on research initiatives, performing data analysis using statistical methods and software to support academic projects.
- Recent research projects include applying deep learning methods for customer segmentation and developing a decoder-only transformer prediction model.
- Served as an instructor for undergraduate courses in the Applied Statistics and Operations Research department.

**Staff Consultant, Chicago, IL**

May 2022—Jul 2023

Analytics8

- Organized and managed data models that connected several data sources and incorporated complex data engineering and transformation workflows.
- Developed and implemented customized dashboards and analytical applications to support strategic decision-making processes.
- Collaborated with clients and cross-functional teams to define project scopes and deliver data-driven solutions that aligned with strategic business goals.

### EDUCATION

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**M.S. Data Science, Bowling Green State University**

May 2025

*Bowling Green, OH*

**M.S. Business Analytics, Benedictine University**

May 2022

*Lisle, IL*

**B.B.A. Business Analytics, Benedictine University**

May 2020

*Lisle, IL*

### RECENT PROJECTS

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**Transformer Model:** Decoder-Only Transformer architecture used for next-pitch prediction in baseball games

**Customer Segmentation:** Autoencoder latent space clustering on high dimensional and sparse survey data