

Christian Hennig

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Education and Training

Milwaukee School of Engineering (MSOE)

B.S. Computer Science

Milwaukee, WI, United States

Cumulative GPA: 3.16

Graduated: August 2023

Marquette University

M.S. Data Science, specialization in Statistics and Modeling

Milwaukee, WI, United States

Started: January 2025

Work Experience

Data Science Intern

Direct Supply

June - November 2022

Milwaukee, WI

- ETL with Python and MSSQL for customer purchase history on an ecommerce platform.
- Conducted EDA with Pandas and Matplotlib before creating a statistical preference metric.
- Contributed documentation and testing for the Posit Connect platform to support fast data app hosting.

App Developer Intern

Mitratesh's Circa

June - September 2021

Milwaukee, WI

- Resolved dozens of client tickets for issues with posting jobs on a variety of job boards.
- Used .NET scraping libraries and XPath to categorize website templates.
- Used MSSQL Server to evaluate the association of 100+ web templates with their specific vendors.

Research Assistant

Medical College of Wisconsin

Sep 2020 - Feb 2021

Milwaukee, WI

- Reviewed using NLP tools like BERT and word2vec to obtain advanced insight on patients' social determinants of health from company PatientWisdom's testimonial dataset.
- Collaborated on drafting a scoping review research paper for conversational agents' impact in healthcare.

Accomplishments and Projects

VexU Robotics competition & Senior design project

Sep 2021 - May 2022

- Co-developed a reinforcement learning solution for a ROS2 application.
- 1st place award for MSOE's Rosie Supercomputer Challenge:
<https://www.msoe.edu/about-msoe/news/details/msoe-students-awarded-in-first-ever-rosie-supercomputer-super-challenge/>
- Co-presented at WSPE Discovery Conference: <https://www.wspe.org/discovery-conference>

Game recommendation website

May - August 2024

- NextJS site providing LLM-generated game recommendations based on user preferences:
<https://github.com/ChipHennig/dspy-gamerec>
- Used Llama3-8b on GroqCloud to generate output and optimized prompt with few-shot examples using the DSPy framework to reduce repeat hallucinations.

Skills: Java, Python, Pandas/NumPy, Matplotlib, FastAPI, Flask, Gitlab CI/CD, SQL, MongoDB, Docker, AWS, JavaScript, ReactJS, Slurm, and AI/ML