

Jensen Holm

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Summary

I am a rising senior majoring in Computer Science with a minor in Data Science, bolstered by a background in Statistics. Proficient in statistical analysis and machine learning, I am driven by a passion for problem-solving and uncovering insights to enable data-driven decision-making.

Education

Grand Valley State University
Computer Science & Data Science
<https://gvsu.edu>

2019 - 2025
Bachelor of Science

- major in Sport Management (fall 2019 - winter 2022)
- major in Statistics (winter 2022 - fall 2023)
- major in Computer Science & minor in Data Science (fall 2023 - winter 2025)

Experience

Gentex
Machine Learning Engineer Intern
<https://www.gentex.com/>

May 2024 - August 2024
Zeeland, MI

Very excited for this upcoming opportunity.

White Pine Digital
Software Engineer Intern
<https://whitepine.digital/>

September 2022 - May 2023
Grand Haven, MI

- Built backend REST API's for company applications
- Constructed front end web components using react
- Independently developed comprehensive image enhancement software
- Expanded the consumer database with ethical web scraping
- Balanced 25-30 hours per week of work with full time student status

Kalamazoo Growlers
Data Science Intern
<https://northwoodsleague.com/kalamazoo-growlers/>

May 2022 - August 2022
Kalamazoo, MI

- Analyzed data to find insights that improved on-field team performance
- Developed a robust simulation system to calculate win probability and optimal lineups
- Operated the Trackman analytics system, which assesses the velocity, angle, etc.
- Communicated data analysis in meaningful ways to coaches and players
- Operated Synergy cameras and sent data to all 30 Major League Baseball organizations

Projects

Numpy-Neuron
<https://huggingface.co/spaces/Jensen-holm/Numpy-Neuron>

May 2023 - Present

Numpy-Neuron is a lightweight neural network framework built from scratch using only numpy. It is available for installation as a python package.

ClusteRGB
<https://huggingface.co/spaces/Jensen-holm/ClusteRGB>

March 2024 - April 2024

KMeans clustering visualization of images in an interactive web application.

FireTCP
<https://github.com/Jensen-holm/FireTCP>

October 2023 - December 2023

Transfer Control Protocol package for the programming language mojo

Skills

Go

Python

Sklearn

PyTorch

R

tidyverse

SQL

MongoDB

Git / Github

C/C++

Web API's

PyPI

Certifications

Baseball Pitcher Development
Rapsodo
April 2024
<https://certified.rapsodo.com/>

Relevant Course Work

Data Mining
[CIS-335](#)
Grasped the mathematics and algorithms behind machine learning models like neural networks (back-prop), k-means clustering, decision trees, etc ...

Multivariate Data Analysis
[STA-526](#)
Learned and applied various multivariate data analysis techniques such as principal component analysis, logistic regression, clustering, etc ...

Information Management & Science
[CIS-360](#)
In depth analysis of data representation, modeling, storage, retrieval, processing, analysis, visualization, and science.

Awards

Best Insight
Americal Statistical Association
March 2023
[2023 GVSU ASA DataFest](#)
American Statistical Association GVSU DataFest Best Insight award

Best Ingisht
American Statistical Association
April 2024
American Statistical Association GVSU DataFest Best Insight award