

# 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

- Varsity NCAA Track and Field / Cross Country athlete (fall 2019- winter 2022)
- 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

## References

Lucas Smielewski

(231) 838-2312

Lucas has been in the advanced scouting department for the Milwaukee Brewers for the past few years. He and I co-founded the GVSU Sports Analytics Club together.