Jensen Holm

Allendale, MI (734) 272-7736 holmj@mail.gvsu.edu https://github.com/Jensen-holm

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   2019 - 2025
Computer Science & Data Science   Bachelor of Science
https://gvsu.edu

- 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   May 2024 - August 2024
Machine Learning Engineer Intern   Zeeland, MI
https://www.gentex.com/

Very excited for this upcoming opportunity.

White Pine Digital   September 2022 - May 2023
Software Engineer Intern   Grand Haven, MI
https://whitepine.digital/

- 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   May 2022 - August 2022
Data Science Intern   Kalamazoo, MI
https://northwoodsleague.com/kalamazoo-growlers/

- 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   May 2023 - Present
https://huggingface.co/spaces/Jensen-holm/Numpy-Neuron

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

ClusteRGB   March 2024 - April 2024
https://huggingface.co/spaces/Jensen-holm/ClusteRGB

KMeans clustering visualization of images in an interactive web application.

FireTCP   October 2023 - December 2023
https://github.com/Jensen-holm/FireTCP

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

Interests

Cycling	Chess
Baseball	Distance Running