

Jensen Holm

B.S in Computer Science & Data Science

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Education

Grand Valley State University 2019 - 2025
Computer Science & Data Science Bachelor of Science
🔗 <https://gvsu.edu>

I am a rising senior in computer science with a minor in data science. I majored in statistics for two years before discovering passion for applying algorithms and math I learn through programming.

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
- Produced a Monte Carlo Simulation analysis system to calculate win probability and optimal lineups
- Operated the Trackman analytics system, which assesses the velocity, angle, rotational-speed, 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>

Hyper parameter tuning interface built around custom neural network framework I built from scratch in numpy. Users can install the numpyneuron neural network framework by running `pip3 install numpyneuron``.

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

Transfer Control Protocol package for the programming language mojo

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

KMeans clustering visualization of images in an interactive web application.

MLBTimeMachine January 2021 - August 2022
🔗 <https://huggingface.co/spaces/Jensen-holm/MLBTimeMachine>

Simulate baseball games between any MLB team from 1973 - 2021 in thousands of games and visualize the results in a radio dashboard.

Skills

| | |
|--------------|-----------------------|
| Go | Python |
| Sklearn | PyTorch |
| SQL | MongoDB |
| Git / Github | C/C++ |
| R | CUDA |
| Docker | Google Cloud Platform |
| Web API's | PyPI |

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
Acquired still in data representation, modeling, storage, retrieval, processing, analysis, visualization, and science using the python machine learning framework sklearn, and software tools like Apache Spark and Apache Kafka to scale data applications.

System Level Programming
CIS-241
Became proficient with the Linux command line and the systems level language C.

Awards

Best Insight
American 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