Jensen Holm

Computer Science & Data Science
Bachelor of Science

- Allendale, MI
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- https://jensen-holm.vercel.app

Profiles

- jensen-holm
- Jensen-holm
- Jensen Holm

Skills

Go

Python

Sklearn

PyTorch

Linux

Git / Github

C/C++

R

CUDA

Docker

Google Cloud Platform

Vim

Web API's

React

Interests

Machine Learning

Computer Vision

Cycling

Running

Chess

Reading

Awards

Best Insight
Americal Statistical Association
March 2023
- 2023 GVSU ASA DataFest

American Statistical Association GVSU DataFest Best Insight award

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Education

Grand Valley State University	**2019 - Present**
Computer Science & Data Science	Bachelor of Science

- https://gvsu.edu

Major 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/

So 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

GVSU Computer Science Success Center	**September 2022 - May 2023**
Student Tutor	Allendale, MI

- https://gvsu.edu
- Instructed students on object-oriented programming in python using self taught programming knowledge
- Facilitated a drop-in style workspace, while handling multiple students at one time

Projects

GPU Accelerated Quantum Scattering Theory	**December 2023 - present**

- https://github.com/Jensen-holm/GPU-Accelerated-QST

Undergraduate research project

Backprop Playground	**May 2023 - Present**

- https://github.com/Jensen-holm/BPPG

Hyperparameter tuning ML API built from scratch

FireTCP	**October 2023 - December 2023**

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

Transfer Control Protocol package for the programming language mojo

Monte Carlo Baseball Simulation	**January 2021 - August 2022**

- https://jensen-holm-mlb-app-app-q1fw6t.streamlit.app/

Simulate baseball games between any MLB team from 1972 - 2021 in thousands of games