Maxwell Hanson

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Work Experience

University of Wisconsin, Madison   *Madison, WI*
Undergraduate Research Assistant   Aug. 2021 - Dec. 2021
- Analyzed and visualized X-ray data using MATLAB and Python
- Applied machine learning to X-ray data using the caret package in R

McGregor Metalworking Co.   *Springfield, OH*
Summer Marketing Intern   May 2018 - Aug. 2018
- Developed promotional video cards for a marketing campaign
- Used Excel to catalogue inventory of machined parts

Education

University of Wisconsin, Madison   *Madison, WI*
B.S. in Mathematics, Physics   Aug. 2019 - May 2023
- GPA: 3.47
- Relevant Courses: Statistics, Calculus (I, II, III), Differential Equations, Linear Algebra, Applied Mathematical Analysis, Data Science Programming and Modeling, Microeconomics, Macroeconomics, Measurement in Economics

Shawnee High School   *Springfield, OH*
High School Diploma   Aug. 2015 - Jun. 2019

Technical Skills

Programming	MATLAB, Python, R, SQL
Professional Software	Microsoft Office, Stata, LaTeX
Language	English (Native)

Projects

Personal Website   *Madison, WI*
Owner   Aug. 2022 - Oct. 2022
- 🖥 githubmaxds.github.io
- Portfolio, About Me, Blogs

Predicting Madison, WI Weather with Machine Learning   *Madison, WI*
Author   Sep. 2022
- 🔗 Predicting Weather with ML (Link)
- Used scikit-learn to apply Ridge Regression to weather data from the Dane County Regional Airport in Python

Analyzing My Chess Data from Chess.com and Lichess   *Madison, WI*
Author   Oct. 2022
- 🔗 Analyzing My Chess Data (Link)
- Analyzed personal data from Chess.com and Lichess using tidyverse and ChessR in RStudio

Awards and Honors

Jan. 2019	**National Competition**:	National Merit Commended Scholar
2018-2019	**Organization Membership**:	National Honor Society
May 2018	**Skills Certificate**:	ACT WorkKeys NCRC Platinum