

Maxwell Hanson

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Work Experience

University of Wisconsin, Madison

Undergraduate Research Assistant

Madison, WI

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.

Summer Marketing Intern

Springfield, OH

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

B.S. in Mathematics, Physics

Madison, WI

Aug. 2019 - May 2023

- Relevant Courses: Statistics, Calculus (I, II, III), Differential Equations, Linear Algebra, Applied Mathematical Analysis, Data Science Programming and Modeling

Shawnee High School

High School Diploma

Springfield, OH

Aug. 2015 - Jun. 2019

Technical Skills

Programming MATLAB, Python, R, SQL

Professional Software Microsoft Office, Stata, \LaTeX

Language English (Native)

Projects

Personal Website

Owner

Madison, WI

Aug. 2022 - Sep. 2022

- [githubmaxds.github.io](#)
- Portfolio, About Me, Blogs

Predicting Madison, WI Weather with Machine Learning

Author

Madison, WI

Sep. 2022

- 📄 Predicting Weather with ML (Link)
- Used sklearn to apply Ridge regression to weather data from the Dane County Regional Airport

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