

Cole J. Good

Email: good.361@osu.edu

Phone: (567) 342-4570

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Education

MS (2026) (In Progress) Atmospheric Sciences, The Ohio State University

Advisor: Dr. S. Quiring

Bachelor of Atmospheric Sciences (2023), The Ohio State University,

Minor: Environmental Science, Cumulative GPA: 3.521 | Major GPA: 3.834+

Honors: Cum Laude

Relevant Coursework

Basic Meteorology	Synoptic Analysis and Forecasting	Energy & Environment Calculus I, II, & III
Atmospheric -Thermodynamics	Severe Storm Forecasting	Differential Equations
Dynamic Meteorology I & II	Drought: A Persistent Climate Hazard	General Chemistry I
Boundary Layer Climates	Life in the Sea (BGSU)	Physics I & II
Microclimatological Measurements	Society and Natural Resources	Introduction to Statistical Analysis I
Synoptic Meteorology Lab	Exploring Water Issues	Fundamentals of GIS

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Research Experience

An Analysis of Storm Warning Sirens in Stark County, Ohio, The Ohio State University

Course: Fundamentals of Geographic Information Systems

Instructor: Parece T. E. | 2023

- Mapped the location of current storm warning sirens, paths of past tornadoes, and the potential location of new storm warning sirens within Stark County, Ohio using GIS.

Drought: A Policy Nightmare, The Ohio State University,

Course: Drought: A Persistent Climate Hazard

Instructor: Leasor Z. | 2022

- Conducted a literature review of drought policy literature in the United States.
- Commented on the current state of drought policy in the United States while highlighting examples of success and failure.

Urban Heat Island Effect for Natural and Artificial Turf, The Ohio State University,

Course: Microclimatology: Microclimatological Measurements

Instructor: Quiring S. M. | Collaborators: Clay T., Haegele D. | 2022

- Conducted a literature review of scientific literature comparing the impact of natural and artificial turf on the urban heat island effect.
- Programed a Camble Scientific CR1000 data logger to have a CNR-1 Net Radiometer to collect measurements over a seventy-two-hour period.
- Analyzed and visualized the data using Python

Detroit, Michigan Urban Heat Island, The Ohio State University, Course: Microclimatology:

Boundary Layer Climatology

Instructor: Quiring S. M. | 2022

- Conducted a literature review of urban heat island characteristics.
- Processed “ERA5 Monthly Averaged Data on Single Levels from 1979 to Present” for the greater Detroit region using Python.
- Mapped the skin temperature for the greater Detroit region for each month of 2020.

Florida Keys Field Experience, Bowling Green State University, Course: Life in the Sea

Instructors: Downey E., Rutherford E. | Collaborators: Deniston D., Pease E. | 2018

- Collected and processed water samples at various habitats across the Florida Keys.
- Recorded carbon dioxide, dissolved oxygen, pH, salinity, turbidity, silica, iron, nitrates, phosphate, and coliform measurements.
- Completed a comparative discussion of mangrove, reef, and Halimeda bank environments and rocky shoreline and beach shoreline habitats.

Professional Service

Research and Marketing Analysis Consultant, StormImpact May 2024 – Present

- Pioneered a redesign of the company website.
- Conducted intensive market research of potential clients and competition.
- Developed promotional content for the company’s YouTube channel.
- Investigated major meteorological events to develop data-driven storm reports.

Station Director, Champion Cheer Central February 2021 - Present

- Ensured events were set up and torn down in a timely fashion.
- Maintained an excellent and safe customer experience for over 2,000 weekly participants.
- Directed back-end employees and participants to ensure each event stayed on schedule.

Career Mobility Program Associate, The Home Depot March 2024 – May 2024

- Developed Google Big Query queries in SQL to sort 56.3 million SKUs.

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- Created process documents for 17 Direct Fulfillment Centers.
- Conducted root-cause analysis of data quality tickets submitted by field associates.

General Warehouse Associate, The Home Depot June 2020 – March 2024

- Surpassed daily quotas by 30%.
- Attained certifications to operate a pacer and electric pallet jack.

Program Assistant, Competitive Sports August 2019 - October 2022

The Ohio State University Recreational Sports

- Trained and onboarded new staff.
- Served as the bridge between student staff and professional staff.
- Led student staff in rebuilding the program following the COVID-19 pandemic.
- Developed new soccer referee training material.
- Taught new soccer officials through classroom instruction and on-field clinics.



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Awards & Honors

Ohio State Graduate School Fellowship	2024
Pauline & Delbert Henschen Scholarship	2019
Robert L. Heestand Memorial Scholarship	2019
Eagle Scout, Boy Scouts of America	2019

Professional Organizations

Geography Graduate Organization at The Ohio State University	Fall 2024 - Present
American Association of Geographers	2024 - Present
Ohio South State Referee Committee	2024 - Present
United States Soccer Federation	2017 - Present
Ohio North State Referee Committee	2017 - Present

Meteorology Club at The Ohio State University Fall 2019 - Spring 2023 : Fall 2024 - Present

Buckeye Officials Association Fall 2019 - Spring 2023

Technical Skills

GIS Software: QGIS & ArcGIS Pro

Programing Language: Python & SQL

Microsoft Products: Excel, PowerPoint, Word,- & Teams

Campbell Scientific Software: Loggernet & Shortcut