

# Seth Thompson

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## EDUCATION

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### University of Georgia

*Bachelor of Science, Geography*

Athens, GA

*Bachelor of Science, Atmospheric Science*

May 2023

Certificate in Geographic Information Systems (GIS)

## RELEVANT EXPERIENCE

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### National Weather Service

Peachtree City, GA

*NWS Project Intern*

January 2022-May 2022

- Researched methods to better predict weather events furthering the ability to protect lives and property.
- Advanced knowledge in Atmospheric Science while attending shadow sessions of current National Weather Service employees.
- Completed snow forecast verification research to improve forecasting by addressing presented questions.
- Presented snow verification research to a panel of professional NWS employees.

### Sawnee EMC

Cumming, GA

*GIS Specialist*

May 2022-August 2022

- Advanced skillset in GIS by working alongside professionals doing a spatial correction task.
- Relocating different existing facilities to their correct location out in the field, then adjusting the attributes around those facilities.
- Fieldwork and geolocating existing facilities and correcting their locations in ArcMap and ArcGIS PRO.
- Drawing over paper maps on CAD and exporting to ArcMap to set up facilities changing the attributes to align with the given information.

## ADDITIONAL EXPERIENCE

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### Kroger

Cumming, GA

*Front End Supervisor*

May 2018-May 2021

- Acquired leadership skills from managing the front end.
- Polished interpersonal communication skillset while serving as a customer service representative.

### Excalibur Homes

Alpharetta, GA

*Maintenance/Applications Coordinator*

May 2021-September 2021

May 2022-August 2022

- Designed innovative ways to complete specific tasks others failed to complete.
- Initiated change within our department by improving the protocols.

## PROJECT EXPERIENCE

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Athens, GA

September 2022 - Current

*Counting Every Drop Challenge*

- Collaboratively developed a rain gauge prototype with another student using CAD, which is currently being assessed by NOAA's Hydrology Division.
- The purpose of the rain gauge is to prevent undercatch caused by the wind. The prototype has the unique ability to swivel with the wind and catch rain coming in at a given incident angle.

Athens, GA

*Satellite Meteorology*

November 2021

- Proposed an innovative idea to NASA for a school project.

- Served as a team leader in designing a strategy to improve satellite instruments on board the Goes-16 Satellite. The design was to create an instrument aboard the Goes-16 Satellite, which was designed to look at specific species to understand their carbon footprint related to atmospheric carbon dioxide.

Peachtree City, GA  
January 2022 - May 2022

*Worked with a research team*

- Worked alongside NWS employees hypothesizing about why the snow verification research came out to be under biased across the majority of Georgia.
- Exploring how societal implications such as public safety and economic stability could be affecting forecasting.

Athens, GA  
August 2022 - Current

*Mapping of Food Commodities*

- Mapping the food process of Nestle’s cocoa from production to distribution.
- Breaking down the timeline of food production to increase understanding of how Nestle conducts business.

**CAMPUS & COMMUNITY INVOLVEMENT**

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**AMS (Atmospheric Meteorological Society)**

August 2021-Current Member

- Provide support to new members by teaching about the program. Giving high school seniors tours of our program emphasizing program highlights.

**SKILLS**

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GIS (ArcGIS Pro, ArcMap, QGIS)  
CAD (2D and 3D)

Communication Skills  
Python (Matplotlib,Pandas,NumPy)

Innovative Designer  
MATLAB

**HONORS AND AWARDS**

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Presidential List

May 2021