



# CAREER PROFILE

After graduating with a degree in Environmental Science, I took some time to work and find a path that was right for me. This lead me to the GIS Certificate program at the University of Wisconsin Madison. Environmental issues were not the only problems I learned to apply GIS solutions for. My courses gave me exponentially more skills for solving other complex problems within many domains.

The complexities of environmental systems gave me a sturdy background for looking at intricate problems in almost any sector of business, natural resources, and other sciences. Through working at the Wisconsin State Cartographer's Office, I gained valuable developer skills and was able to apply them in a job setting for two years while taking classes. I seek to continue expanding my experience in GIS, GIS development, and beyond.



## EXPERIENCES

### GIS Developer

2016-2018

Wisconsin State Cartographer's Office

**Investigate and Implement** a workflow to process and prepare Landsat data and images obtained from the Amazon S3 Cloud provided by Amazon Web Services for use over large study areas in the state of Wisconsin

**Georeference** 1930s Aerial Photography for Wisconsin Coastal Borden Survey Explorer application. Before georeferencing, automated sorting, cropping, and photo-merging scripts were used to prepare images based on townships. After georeferencing, images were mosaicked and clipped by county to then be tiled seamlessly for the coastal counties of Wisconsin.

(<https://maps.sco.wisc.edu/BordenCoastal>)

**Maintain** the Public Land Survey System PostgreSQL database and webmap applications as well as the Control Finder applications on the SCO website.

### GIS Student

2016-2018

University of Wisconsin Madison

#### COURSES:

Intro to GIS

Intro to Cartography

Advanced Quantitative Methods

Intro to Remote Sensing

Intro to Geocomputing

Graphic Design and Cartography

Spatial Web/Mobile Programming

#### GIS Capstone:

MAPPING EVAPOTRANSPIRATION

WITH LANDSAT8 IN THE METRIC MODEL

OVER LARGE STUDY AREAS

### High School Hockey and Softball Coach

2014-2017

Baraboo High School, Wisconsin

**Apply** knowledge from years of playing to coach JV and Varsity players

### Assistant Editor for About Place Journal

2015-2016

Black Earth Institute, Wisconsin

**Review** and assess submissions via submittable. Help maintain database of submitters and donors as well as assist in website layout management for About Place Journal and Black Earth Institute.



Dawson Bancroft-Short

GIS Developer/Analyst

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## EDUCATION

### GIS Certificate

University of Wisconsin Madison

2016-2018

Bachelor of Science in  
Environmental Science

Chatham University

2008-2013

## Languages

English (Native)

Spanish Basic (3 years)

Swahili Basic (3 years)

## Interests

Hockey

Drumming

Cooking

Gardening

Sailing



# SKILLS & PROFICIENCY

## Soft Skills

Teaching, Training, Coaching



Organization



Motivation & Initiative



Teamwork & Communication



Observant & Detail Oriented



Customer Service & Ability to Communicate With Diverse Population



## Hard Skills

ArcGIS, QGIS, & OSGEO



Carto & Mapbox Studio



Python & SQL



Amazon Web Services (AWS)



MODFLOW with FREEWAT



HTML, CSS, & JS



Adobe Illustrator and Photoshop



Data Management



For more information  
and a full  
portfolio, please visit:

[myatlas.github.io](https://myatlas.github.io)

## References:

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