



# Clayton Groth

## PROFILE

26-year old professional in GIS.  
Working and completing a Master's  
degree in GIS web map programming  
at the University of Wisconsin  
Madison.

## CONTACT

608-498-7370  
Madison, WI  
claytoncgrth@gmail.com

## SKILLS

### ARCMAP



### GEOSPATIAL CODING (PYTHON)



### DATA ANALYSIS



### DATA COLLECTION/MANAGEMENT



### WEB MAP DESIGN/DEVELOPMENT



ENTRY LEVEL

EXPERT LEVEL

## WORK EXPERIENCE

### LIDAR DATA SUBJECT MATTER EXPERT / GIS TECH @ CONTINENTAL MAPPING

May 2017 - Present

Presently, I lead a small team in processing LiDAR data for various clients and applications in transportation and infrastructure. In this position I have added to my skills in ArcMap, Python and spatial databases. I have gained skills in point cloud processing software and organization of administrative information with MS Excel. I lead the team in creating and combining maps and also assuring the quality of the data. My ideas and problem solving abilities have made me a valuable asset to the team.

### WIND DATA TECH @ BASELINE RENEWABLES

Sept 2016 - May 2017

In this position I participated in field data collection and creating deliverables for clients, usually mapping potential turbine locations for prospective wind farms. I worked with a small team on field deployments and did independent work organizing client's data and creating maps.

### RESEARCH ASSISTANT @ UW MADISON SAGE

Sept 2014 - May 2016

With the Center for Sustainability and the Global Environment I worked on a research project mapping the correlations between ozone concentrations and various meteorological variables. I gained experience in creating scripts for mapping atmospheric data and collecting and organizing EPA data, primarily using NCAR command language run in Unix/Linux shell. I also gained valuable experience in creating technical reports for academic purposes. This gave me exposure to the world of academic research.

## EDUCATION

### M.S. GIS WEB MAP PROGRAMMING @ UNIVERSITY OF WISCONSIN MADISON

Sept 2017 - Present

I am currently completing my master's degree with UW Madison. My studies in GIS have added substantially to my advancement at work and to my interest in the world of mapping.

#### Relevant Coursework:

Spatial Analysis (spatial regression, spatial interpolation, Krigging),  
Geocoding (Python, OGR/GDAL), Graphic Design Cartography, GIS  
and Cartography

### B.S. ENVIRONMENTAL SCIENCE @ UNIVERSITY OF WISCONSIN MADISON

2011 - 2016

I completed a double major in Environmental Science (focused mostly on air quality) and Philosophy (focused on technical philosophy of science, mainly in probability theory).

#### Relevant Coursework (some graduate level, taken as undergrad):

Bioclimatology, Air Quality Modeling and Analysis, Atmospheric Dispersion, Renewable Energy Systems Engineering, Chemistry (I & II), Calculus, Mathematical Statistics, Statistical Probability (philosophy)