# MAX BLASDEL

**Data analyst with focus on energy research**

## 🏛 EDUCATION

**2014**

**Oregon State University**
B.S. Natural Resource Management  📍 Corvallis, OR

Graduated Summa Cum Laude

**2015**

**Portland State University**
Graduate Certificate in GIS  📍 Portland, OR

**2019**

**Humboldt State University**
M.S. Environmental and Natural Resource Sciences  📍 Arcata, CA

Thesis: Decomposition of Woody Residue in the Context of Biomass Energy Utilization

## 👤 PROFESSIONAL EXPERIENCE

**2020**

**Analyst**
Cadmus Group  📍 Portland, OR
• Join complex data from many different sources
• Understand and use legacy codes and models for current needs
• Provides spatial data expertise to diverse set of projects
• Develop R Shiny application to display analysis results

**2019 | 2020**

**Research Assistant**
Schatz Energy Research Center  📍 Arcata, CA
• Provide spatial analysis, data visualizations, and data analysis
• Write and maintain R code for modeling projects
• Provide support and documentation for clean energy transportation projects
• Analyze energy generation data for a wind energy project
• Works and communicates with various teams for multiple projects

**2017–2019**

**Graduate Research Assistant**
Schatz Energy Research Center  📍 Arcata, CA
• Managed raster and tabular databases in ArcMap and R
• Contributed to methods and literature review for published framework document
• Developed a JavaScript based web tool application to visualize results from biomass project

## CONTACT INFO

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📞 541-908-1669

## SKILLS

Proficient in R with a focus on tidy data and spatial analysis

Familiar with SQL and spatial databases

Experienced with GIS Analysis in ArcMap and QGIS

Data visualization skills with leaflet, ggplot, shiny

Code development and issue tracking with Github/Gitlab

Working with large datasets and parallel processing

Knowledge of HTML, CSS, Javascript and webpage structure

Experienced with AWS, Docker, Bash, and Linux environments

**Teaching Assistant**

2017–2019

Humboldt State University  📍 Arcata, CA

- Direct instruction of undergrad students focusing on experimental design and scientific measurement
- Taught Excel and explained basic concepts of computer science resulting in the ability to analyze and display data
- Strove to engage students and welcome discussion on issues related to natural resources

## 🖥 RESEARCH WORK

**GIS/Data Analyst**

2018–2019

📍 Arcata, CA

- Joined and cleaned large polygon file of India with census information and found solutions to data irregularities
- Created spatially indexed dataset of polygons within set buffer distances from urban areas
- Built a model in R to quantify emissions from different sources for the entire country
- Created graphs and visualizations to convey results from this work in an upcoming publication

**GIS/Data Analyst**

2019

Sierra Institute of California  📍 Arcata, CA

- Combined multiple public datasets to extract information on logging residues from Timber Harvest Plans
- Prepared report ready mapping graphics to display data results

## 👥 REFERENCES

**Available Upon Request**