

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 | Present • **Analyst**
Cadmus Group 📍 Portland, OR
 - Work with complex data from many different sources
 - Convert legacy code and models to R packages
 - 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, visualizations, and data analysis to variety of projects
 - 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

Web applications with R Shiny

Experienced with SQL, PostgreSQL and MySQL

Working knowledge in Python, JavaScript

Experienced with GIS Analysis in ArcMap and QGIS

Data visualization with ggplot

Large datasets and parallel processing

Comfortable with HTML, CSS and webpage structures

Experience creating VMs and Linux environment development

Last updated on 2021-02-05.

2017
|
2019



Teaching Assistant

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

2018
|
2019



GIS/Data Analyst

📍 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

2019



GIS/Data Analyst

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



PUBLICATIONS

- [Fingerman, K., Anderson, D., and Blasdel, M. \(2019\). Moving Beyond Incineration: Putting Residues from California Forest Management and Restoration to Good Use. Sierra Club of California. San Francisco, CA](#)



REFERENCES

Available Upon Request