MAX BLASDEL

Data analyst with focus on renewable 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

2019

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

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

CONTACT INFO

- ✉ maxblasdel@gmail.com
- ⌂ github.com/mxblsdl
- ☏ 541-908-1669

SKILLS

Highly skilled in R with a focus on tidy data and spatial analysis

Experienced with GIS Analysis in ArcMap and QGIS

Communication of complex ideas to diverse audiences

Code development and issue tracking with Github

Webscraping and large datasets

Knowledge of HTML, CSS, and webpage structure

Familiar with JavaScript, AWS, Docker, Bash, Python

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

👥 REFERENCES

Nicholas Lam

Research Scientist

📍 Schatz Energy Research Center

- 925-389-0915
- Nicholas.Lam@humboldt.edu

Jerome Carman

Senior Research Engineer

📍 Schatz Energy Research Center

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Jack Murphy

Lecturer

📍 Humboldt State University

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Please contact me before contacting these references