MAX BLASDEL

👥 PROFESSIONAL EXPERIENCE

2022 | Present

Data Reporting & Analytics Consultant IV
Kaiser Permanente 📍 Portland, OR
- Automated document creation to eliminate ~40 hours/month of labor
- Led effort to transition web applications to R Shiny through development of code and trainings
- Create and maintain ETLs through a combination of R, Python, and SQL
- Support team development through R package contributions

2021 | 2022

BI Engineer
Wavicle Data Solutions 📍 Remote
- Provides leadership in team development environment
- Update, optimize, and document large R script codebase
- Maintain and debug R Shiny application

2021

Data Analyst
CLEAResult 📍 Portland, OR
- Economic analysis and insights for energy related projects
- Create and maintain dashboards in Power BI
- Development of R packages for internal use
- ETL processes in Alteryx and database maintenance

2020 | 2021

Analyst
Cadmus Group 📍 Portland, OR
- Conduct analysis and automate tasks with R
- Development of R Package for model applications
- Development and maintenance of Shiny applications
- Energy efficiency program evaluations and potential analysis
- Perform cost effectiveness analysis on utility programs

2019 | 2020

Research Assistant
Schatz Energy Research Center 📍 Arcata, CA
- Provided mentorship and guidance for student staff members
- Use R to conduct spatial and non-spatial analysis for clean energy projects
- Write and maintain R code for parallel computing on large data
- Analyze wind energy generation data
- Worked and communicated across multiple teams and projects

2017 | 2019

Graduate Research Assistant
Schatz Energy Research Center 📍 Arcata, CA
- Managed raster and tabular databases in ArcMap and R
- Contributed to methods for published framework document
- Developed a JavaScript web tool to visualize project results

CONTACT INFO

- ✉ maxblasdel@gmail.com
- github.com/mxblsdl
- 🌐 maxblasdel.com
- 📞 541-908-1669

SKILLS

R/Python

SQL Server/PostgreSQL

Geospatial analysis

ETL development

Remote development with Linux

Data visualization with R Shiny, Power BI

Collaborative Development with Github/Gitlab

HTML, CSS, Javascript and webpage structure

Last updated on 2023-07-01.

🔖 CERTIFICATIONS

2022-2025   ● **AWS Data Analytics - Specialty**

📍 Global

2022 | 2025   ● **AWS Solutions Architect - Associate**

📍 Global

</> PERSONAL PROJECTS

Current   ● **Development Work**

📍 Portland, OR

- Setup and maintenance of personal Shiny Server hosting apps and utilizing git webhooks
- Integrating Python and JavaScript into Shiny apps through R
- Python programming and automation with Raspberry PI

🖥 CONTRACT WORK

2018 | 2019   ● **GIS/Data Analyst**

📍 Arcata, CA

- Built spatial R model for India cooking emissions study
- Joined and cleaned large polygon fie and found solutions to data irregularities
- Created graphs to convey results from this work in an upcoming publication

2019   ● **GIS/Data Analyst**

Sierra Institute of California   📍 Arcata, CA

- Utilized R to combine public datasets and extract information on logging residues
- Prepared report ready mapping graphics to display data results

🏛 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

🔖 PUBLICATIONS

- Lam, N., Goel, V., Blasdel, M., Xu, L., Ruiz-Mercado, L., Ozaltun, B., Aoudi, L., Whitacre, J.V., Bond, T.C. (2023) Reduction potentials for particulate emissions from household energy in India. Environmental Research Letters. Volume 18. Number 5

- 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