MAX BLASDEL

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Skilled data analytics generalist with experience including academic research, project based consulting, and large corporate entities. I thrive in situations where I can learn new systems and apply automation to processes.

EXPERIENCE

Data Consultant IV - Kaiser Permanente   **Apr 2022 – Current**
- Implemented process automation with R and Python for multiple projects saving 40+ hours/month & 12K/month
- Spearheaded transition to R Shiny spatial data dashboard reporting bringing new business to team
- Lead internal R package development and design for standardization across developers
- Work to modernize data infrastructure through linux server automation

BI Engineer - Wavicle Data Solutions   **Dec 2021 – Apr 2022**
- Brought on to debug legacy R modeling codebase
- Fixed issues with existing Shiny application used for reporting

Data Analyst - CLEAResult   **Jun 2021 – Dec 2021**
- Created economic analysis tools for assessing efficiency gains
- Developed Power BI dashboards for ongoing incentive program
- Development of R package to model heat pump efficiency based on geographic location

Data Analyst - Cadmus Group   **Mar 2020 – Jun 2021**
- Development of R Shiny applications for modeled EV adoption
- Converted excel based economic model into R package
- Lead use of python model for solar adoption project

Research Assistant - Schatz Energy Research Center   **Aug 2017 – Mar 2020**
- Built JavaScript web tool to display project results, meeting project scope requirement
- Wrote and maintained R code for parallel processing of large spatial datasets
- Generated spatial analyses of wind generation potential for use in public presentation and discussion
- Provided mentorship and guidance for student and staff members

PUBLICATIONS

Reduction potentials for particulate emissions from household energy in India
- 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

Moving beyond incineration
- 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

EDUCATION

Humboldt State University, MS Environmental Sciences   **2017 – 2019**

Portland State University, GIS Certificate   **2015 – 2016**

Oregon State University, BS Natural Resource Management   **2011 – 2014**

SKILLS
- Scripting Languages: R, Python, SQL, JavaScript,
- Databases: SQL Server, Postgres, Oracle, SQLite
- Geospatial: ArcGIS, GDAL, sf, geopandas
- Cloud: Github, Gitlab, DigitalOcean, AWS
- ETL Tools: Alteryx, Databricks