Emily Bruns

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Links

Portfolio · eb-bruns.github.io
LinkedIn · emily-beckman-bruns
GitHub · github.com/eb-bruns

Skills

Advanced · R | Microsoft Office | G Suite | Creative Problem Solving | Communication | Adaptability | Critical Thinking | Workflow Design
Intermediate · Data Analysis & Visualization | GitHub | ArcGIS | R Markdown | Project Management | Requirements Gathering
Working knowledge · SQL | Python | Tableau

Experience

Contract Data Analyst, Chicago IL

JUNE 2015 – PRESENT

The Morton Arboretum, Lisle IL   Feb 2023 - Present
- Ensure system longevity by writing technical documentation for R analysis workflows, online survey methods, spatial analyses, and relational databases, contributing to receipt of >$4 million added funding
- Increase synergy among 14 partner organizations by training 20+ colleagues on large-scale analyses

Cincinnati Zoo & Botanical Garden, Cincinnati OH   Jan 2020 - Present
- Data analysis in R: design word search algorithms, find data sources, integrate data, create visuals
- Guide pivotal project decisions by communicating insights from complex analyses to technical and non-technical partners

Botanic Gardens Conservation Int'l US, San Marino CA   Oct 2019 - Present
- Engage and inform stakeholders globally with actionable analyses by gathering, vetting, visualizing, and communicating data; write reports, present at conferences, and lead stakeholder meetings
- Support the Executive Director through project management

Cirrus Partners, Agricultural Consulting Services, Evergreen CO   Jun 2015 - Oct 2019
- Informed sustainable agriculture initiatives at global companies via market research and interviews

Research Assistant II, The Morton Arboretum, Lisle IL

MARCH 2020 – FEBRUARY 2023

- Influenced program decisions through analyses requiring the extraction, transformation, integration, validation, mapping, and reporting of >6 million records, both qualitative and quantitative
- Scaled up analysis workflows by improving automation, adding data sources, and designing dashboards
- Led major component of cross-functional analysis by designing and testing new metrics
- Defined project requirements by communicating with stakeholders, users, and technical experts

Research Assistant I, The Morton Arboretum, Lisle IL

SEPTEMBER 2016 – MARCH 2020

- Established recognition of organization as a global leader in tree conservation by designing and implementing a novel method for prioritizing rare plants and conservation actions
- Promoted a data-driven culture by collecting, verifying, and managing data gathered through gray literature review, forming relationships with 50+ experts, and administering online surveys