SARAH REED

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OBJECTIVE

To create data graphics and visualizations that help readers sift through the clutter and glean information to enrich their understanding of the world.

EXPERIENCE

Crow Insight

Software Engineer | 2019-2024

- Built interactive online dashboards using HTML, CSS, JavaScript, and React.
- Lead developer on EPA data dashboards highlighting water system health across the US.
- Developed survey data dashboards for the DeBeaumont Foundation focused on public health workers.
- Processed and cleaned data using R and Python.
- Managed internal IT infrastructure projects.

Farm Design

Mechanical Engineer / Program Manager | 2010-2015

- Managed $250K+ medical device projects from concept to mass production.
- Coordinated with clients, manufacturers, and cross-functional teams to meet deadlines and budgets.
- Led design reviews, brainstorms, and task assignments.
- Acted as liaison between patent holders and manufacturing teams

R & R Woodworking

Owner/Operator | 2003-2005

- Designed and crafted custom wood cabinetry and furniture for private clients.
- Emphasized craftsmanship and precision.

EDUCATION

Maryland Institute College of Art- MPS Information Visualization- 2024

Massachusetts Institute of Technology- MS, Mechanical Engineering- 2010

- D'Arbeloff Fellowship recipient
- Lab Instructor: Engineering for the Developing World (Energy), Toy Design

University of Colorado, Boulder- BA Mathematics / Secondary Math Teaching License -2003

- Awarded Undergraduate Excellence in Teaching

TECHNICAL SKILLS

Languages, Libraries & Frameworks:

HTML, CSS, JavaScript, D3, React, Python, Flask, R, RShiny, Node, ArchieML, Git

Software:

Adobe Illustrator, InDesign, Photoshop, Office 365, Tableau, Google Drive Suite

HOBBIES AND INTERESTS

Basically everything Colorado

- Outdoor activities: Skiing, mountain biking, hiking, rafting
- Gardening
- Painting
- Family time
- Traveling
- Audiobooks and podcasts