

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. Our dashboards helped citizens and scientists sift through the data by employing intuitive filters and visualizations, all built to accessibility standards.
- Developed dashboards for the DeBeaumont Foundation to present survey data about public health workers. Dashboards allowed citizens, policy makers and researchers to better understand the complexities of the public health workforce.
- Processed and cleaned data using R and Python. Built scripts and processes to take in client data of various formats, clean and transform it into usable formats for the dashboards.
- Managed internal IT infrastructure projects.

FARM DESIGN, Program Manager/Mechanical Engineer | 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, brainstorming, 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

Massachusetts Institute of Technology- MS, Mechanical Engineering

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

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

- 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 / INTERESTS

Basically everything Colorado

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