Sarah Reed
1-303-956-4348
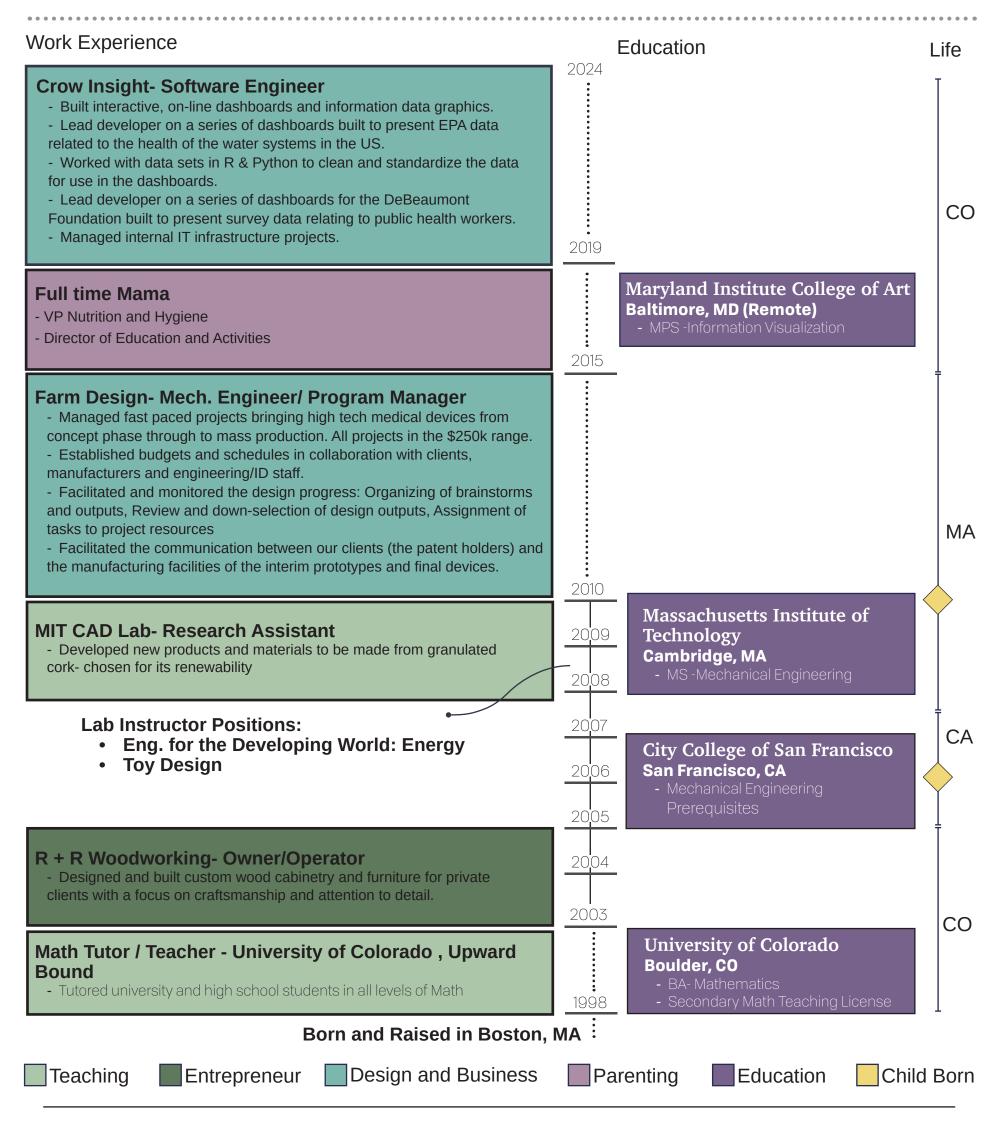sarahbreed01@gmail.com
www.sarahreed.art

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

Work Experience | Education | Life

Crow Insight- Software Engineer
- Built interactive, on-line dashboards and information data graphics.
- Lead developer on a series of dashboards built to present EPA data related to the health of the water systems in the US.
- Worked with data sets in R & Python to clean and standardize the data for use in the dashboards.
- Lead developer on a series of dashboards for the DeBeaumont Foundation built to present survey data relating to public health workers.
- Managed internal IT infrastructure projects.

Full time Mama
- VP Nutrition and Hygiene
- Director of Education and Activities

Farm Design- Mech. Engineer/ Program Manager
- Managed fast paced projects bringing high tech medical devices from concept phase through to mass production. All projects in the $250k range.
- Established budgets and schedules in collaboration with clients, manufacturers and engineering/ID staff.
- Facilitated and monitored the design progress: Organizing of brainstorms and outputs, Review and down-selection of design outputs, Assignment of tasks to project resources
- Facilitated the communication between our clients (the patent holders) and the manufacturing facilities of the interim prototypes and final devices.

MIT CAD Lab- Research Assistant
- Developed new products and materials to be made from granulated cork- chosen for its renewability

Lab Instructor Positions:
- **Eng. for the Developing World: Energy**
- **Toy Design**

R + R Woodworking- Owner/Operator
- Designed and built custom wood cabinetry and furniture for private clients with a focus on craftsmanship and attention to detail.

Math Tutor / Teacher - University of Colorado , Upward Bound
- Tutored university and high school students in all levels of Math

Born and Raised in Boston, MA

Education timeline
2024 — 2019 — 2015 — 2010 — 2009 — 2008 — 2007 — 2006 — 2005 — 2004 — 2003 — 1998

Maryland Institute College of Art
Baltimore, MD (Remote)
- MPS -Information Visualization

Massachusetts Institute of Technology
Cambridge, MA
- MS -Mechanical Engineering

City College of San Francisco
San Francisco, CA
- Mechanical Engineering Prerequisites

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

Life
CO
MA
CA
CO

Legend
- Teaching
- Entrepreneur
- Design and Business
- Parenting
- Education
- Child Born

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

Languages, Libraries & Frameworks
- HTML, CSS, Javascript
- D3
- React
- Python, Flask,
- R, RShiny
- Node
- ArchieML
- Git

Awards
- D'Arbeloff Fellowship, MIT
- Undergraduate Excellence in Teaching, CU Boulder

Hobbies and Interests
- Outdoor Activities- Skiing, Mtn Biking, Hiking, Rafting, etc.
- Gardening
- Painting
- Spending time with my family
- Travelling
- Audiobooks and Podcasts