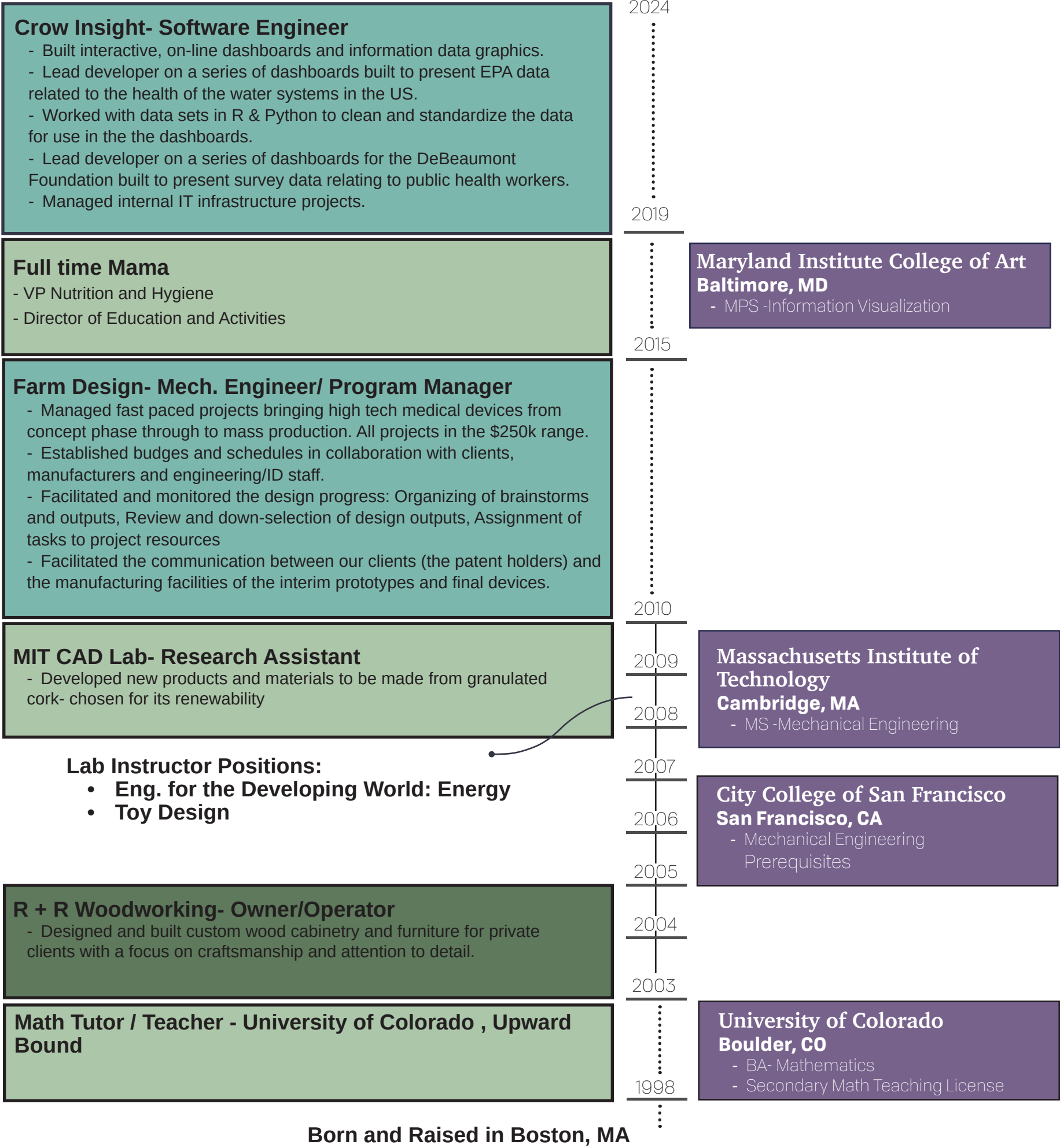## Objective:

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

Sarah Reed

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sarahbreed01@gmail.com
www.sarahreed.art

Work

Education

2024

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 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.

2019

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

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

2015

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 budges 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.

2010

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

2009

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

2008

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

2007

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

2006

2005

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.

2004

2003

Math Tutor / Teacher - University of Colorado , Upward Bound

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

1998

Born and Raised in Boston, MA

Software
- Adobe Illustrator, InDesign, Photoshop
- Office 365
- Tableau

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