Sarah Gorton

I'm an **organizer at heart**, whether it's applied to objects or processes. This passion, paired with my **love for coding** and creating automated tools, has led me to data engineering, where I've found it to be the ideal way to combine my skills, interests, and attention to detail. I enjoy building scalable, efficient data pipelines that transform raw data into reliably structured datasets for downstream use. Beyond the technical side, I value collaboration and clear communication, working closely with key stakeholders to design and implement **impactful data solutions**.

CONTACT INFO

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SKILLS AND PROFICIENCIES

Languages
- Python, SQL, R, C, C++, Assembler, HTML, CSS

Visualizations
- Tableau, Excel, Looker Studio, Python, R

Cloud Computing & DevOp Tools
- Google Cloud Platform (BigQuery, Cloud Run, Docker), Git

RELEVANT COURSEWORK

- Computer Science I-III
- Discrete Mathematics I-II
- Linear Algebra I-II
- Statistics for Data Science
- Int. Data Structures & Algorithms
- Machine Learning for Data Science
- Principles & Techniques Data Science
- Marketing Analytics

EDUCATION

University of Oregon
October 2019 - June 2023
- Major: BS in Data Science with a focus on Marketing Analytics
- Minors: Computer Science, Business Administration

WORK HISTORY

Jr. Data Science Associate
Rescue - The Behavior Change Agency | July 2024 - Present

Lead the continued maintenance and enhancement of ETL processes by monitoring team needs and proactively identifying areas for improvement. A key improvement involved expanding the benchmark processing capabilities to allow team members to influence benchmarks groups, a feature previously restricted by the code's dependence on data storage structures. Took the opportunity to strengthen code testing processes prior to deployment in Google Cloud Platform, alongside improving documentation and version tracking via git. Continually support the lead data scientist on various projects and successfully led a major data science initiative during their leave, making code adjustments and pivots as needed to meet project goals. Develop internal and external reports that simplify complex data into actionable insights, ensuring clear understanding and valuable learnings for both colleagues and clients.

Marketing Analytics Coordinator II
Rescue - The Behavior Change Agency | August 2023 - July 2024

Responsible for managing a wide range of projects from start to finish, with a focus on data engineering and analysis. Built upon previous improvements to our warehouse structure and data processing pipelines by leveraging Google Cloud-hosted Python and SQL scripts to automate and optimize ETL processes. Developed internal and external reports that simplified complex data into actionable insights, ensuring clear understanding and valuable learnings for both internal cross-functional teams and clients.

Marketing Analytics and Data Engineer Intern
Rescue - The Behavior Change Agency | July 2022 - May 2023

Provided data analysis and engineering support to enhance team workflows. Developed and optimized Python scripts to improve company benchmark calculations, increasing accuracy and efficiency. Engineered enhancements to BigQuery data processing pipelines, standardizing data handling and enabling more efficient, accurate, and actionable analysis.

Marketing Analytics Intern
Air-Weigh On-Board Scales | Feb 2022 - Jun 2022

Worked with Excel and Tableau to obtain and illustrate market insights, presented and discussed findings with the team, and guided conversations to determine the best path moving forward.

Learning Assistant
University of Oregon | Jan 2022 - Mar 2022

Facilitated bi-weekly office hours for an entry-level data science course, assisting a diverse set of students with data science concepts, coding solutions, and practical applications of algorithms.