

# MADISON RICHARDSON

*Data Analyst*

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📍 Denver, CO

🌐 [LinkedIn](#)

## EDUCATION

Bachelor of Arts  
Information Science

**University of Colorado**

📅 2014 - 2018

📍 Boulder, CO

## SKILLS

- PivotTables
- SQL Server Management Studio
- SELECT Queries
- Azure SQL Data Warehouse
- Pandas
- ggplot2
- DAX
- Tableau
- Azure ML Studio
- SharePoint

## WORK EXPERIENCE

### Data Analyst

#### Microsoft

📅 2024 - current

📍 Denver, CO

- Maintained complex PivotTables in Excel, analyzing data from 102,580+ customer interactions to derive key insights for marketing teams
- Wrote SELECT queries to extract large datasets from SQL Server Management Studio, supporting analysis for 18 departmental projects
- Utilized Azure SQL Data Warehouse to manage and consolidate data across multiple departments, ensuring seamless reporting for 57 business units
- **Developed eight Tableau dashboards**, enabling real-time tracking of performance metrics for over 212 products across global markets

### Data Coordinator

#### Ball Aerospace

📅 2021 - 2024

📍 Boulder, CO

- Harnessed Pandas to clean and **validate 13M aerospace data records**, enhancing reporting accuracy and speed
- Built data models in Azure ML Studio, enabling predictive analysis for mission-critical systems in aerospace engineering projects
- Created dynamic reports using DAX and Power BI to track and report on project milestones for over 36 teams
- Integrated data sources through SQL Server Management Studio, ensuring accurate data feeds for easy access by over 52 stakeholders

### Research Assistant

#### Space Systems Loral (SSL)

📅 2018 - 2021

📍 Boulder, CO

- Engineered visualizations that showcased satellite performance metrics using ggplot2
- Managed data documentation and version control using SharePoint, facilitating collaboration and accessibility for a research team of 24 members
- Conducted rigorous experiments on satellite technologies, **contributing to seven successful launches** while enhancing performance metrics by 47%
- Presented research findings in weekly team meetings with 16 stakeholders, ensuring goals and timeline alignment