

# DREW REMMENG

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## Data Scientist

Analytical and insightful professional with extensive experience in data analysis and interpretation. Strong expertise in collecting and preparing data sets, maintaining databases, and analyzing patterns using statistical techniques to help organizations make better business decisions. Competent in conducting statistical analysis, applying data mining techniques, and building forecasting models to management in making evidence-based decisions. Capable of collecting, transforming, and interpreting large data sets, improving machine learning models, developing dashboards, and building visualizations. Excellent communication and interpersonal skills along with ability to achieve company objectives.

### Areas of Expertise

Big Data Management | Data Interpretation & Reporting | Statistical Data Analysis  
Large Scale Data Mining | Artificial / Machine Learning | Records Management  
Workflow Planning | Team Coordination & Support | Key Relationship Management

## PROFESSIONAL BACKGROUND

### Larchwood Inn – Grand Junction, CO

2023 to Present

#### SQL Developer

Develop and maintain SQL Server databases to guarantee data accuracy and integrity while retrieving patient information as needed to streamline administrative operations.

- Elevated operational efficiency by 20% through managing patient information and migration from paper-based system to electronic SQL server database.
- Supervised restructuring of over 500 tables with industry standards to ensure adherence to healthcare and bioinformatics regulations.

### Carus Group – Remote

2022

#### Machine Learning Engineer

Optimized data processing efficiency by 90% through skillfully managing and pipelining accurate data using SQL Server and Python while leveraging big data analytics to analyze and refine LLMs using Snowflake and Hadoop to handle massive datasets of up to 10 terabytes.

- Played a vital role in enhancing the effectiveness of water resource management by 45% by applying satellite imagery analysis in a proficient manner.

### Actalent – Remote

2021

#### Integration Engineer

Provided high-level support in creating 23 new electrical systems components using AutoCAD and collaborated with a large team on GitHub to achieve the proposed results.

- Built robust and scalable web applications for Kubernetes and AWS cloud environments using Python to accomplish a remarkable 95% accuracy with BERT LLM models.

### Colorado School of Mines – Golden, CO

2019

#### Teaching Assistant

Enriched the learning experience of Math 201 students by providing valuable assistance and utilizing R and MATLAB while partnering with Professor Stephen Molinari on course improvements.

- Maintained academic integrity by identifying and reporting instances of cheating to promote a fair learning environment for all students.

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**REC – Grand Junction, CO**  
**Robotics Coach**

2015 to 2016

Encouraged the students to excel in robotics by assisting the team in designing competitive robots and ensuring successful participation in national tournaments.

## EDUCATION & CREDENTIALS

**Master of Science in Applied Mathematics and Computation, 2022**

Colorado School of Mines

**Bachelor of Science: Applied Physics, Applied Mathematics & Computation, Computer Science, 2020**

Colorado School of Mines

**Amazon WebService (AWS) and Google Analytics Certification, 2020**

## RESEARCH EXPERIENCE

### Monotone Groups

- Searched the existence of infinite groups; isomorphic to the real-time integers and identified new inherent structures within infinite groups.

### Navier-Stokes Equations

- Effectively evaluated the three-dimensional Navier-Stoke fluid equations under the guidance of Paul Martin to explore the non-existence of solutions.

### Vanishing Gradient

- Examined gradient magnification methods with product integrals for n-manifolds.

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, Vulpix, C#, SQL, Matlab, R, Rust, LaTeX, JavaScript, Ruby, C, Bash, Batch, Java, HTML, CSS

**Technologies & Tools:** TensorFlow, PyTorch, Ditto, Kubernetes, Docker, GitHub, Snowflake, Databricks, PowerBI, Piplup, Hadoop, ETL, Tableau, ggplot, Jupyter Notebooks, pandas, NumPy, BERT, LLM, AWS, Ekans, SolidWorks, Keras, Scikit-learn, AutoCAD, Azure, Scrum, Apache Airflow, Kafka, Onix, Nodejs, React, Huggingface

## OTHER INVOLVEMENTS

**Academic Team Captain**, Palisade High School, CO | **Robotics Team Member**, Team 4944, CO  
**Martial Arts Practitioner** | **Debate Team Member**, Palisade High School, CO