

Carl J. Klein

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Career Experience

Parker, Smith & Feek

2018 - 2023

Benefits Data Analyst

Provided analytical insights and financial reports to multiple clients.

- Updated and monitored financial and health data used in conducting analyses to identify trends, discrepancies, and produce recommendations.
- Leveraged findings during the renewal process and utilized data to negotiate premiums with insurance carriers.
- Communicated key metrics and statistics by preparing and presenting periodic reports for clients.
- Automated internal tasks by creating VBA macros and scripts.

Education

Master of Science, Data Science (MSDS)

2023 - Current

University of Colorado, Boulder
Expected Graduation 2025

Bachelor of Arts in Mathematics, Minor in Applied Mathematics

2013 - 2017

University of Washington, Seattle
Graduated 2017

Certifications

Data Science Nanodegree, Udacity

2023

Gained real-world data science experience with curriculum and projects designed by industry experts.

- Used Python across many data science topics, while utilizing Git to document the progress.
- Object Oriented Programming and Web Development.
- ETL Pipelines, Natural Language Processing, and Machine Learning Pipelines.
- A/B Testing and Recommendation Engines.

Projects

Bias in Facial Classification Machine Learning Models

Worked collaboratively with a team to create an exploratory and statistical analysis on the biases prevalent in facial recognition machine learning models.

- [GitHub](#)
- [Website](#)

Natural Language Processing with Articles

Created an NLP model which attempted to predict the publisher given a news article.

- [GitHub](#)
- [Medium Article](#)

Disaster Response Dashboard

Created a pipeline which classifies messages from various sources during an emergency, and deployed the final model to Flask web application.

- [GitHub](#)

Technical Proficiencies

Excel
SQL

VBA
Git

Python
LaTeX

R
Quarto
