

# Rory Hartong-Redden

October 18, 2024 | Boulder, CO | roryhr@gmail.com | linkedin.com/in/rory-hartong-redden | roryhr.com

## Summary

Senior Data Scientist with 6+ years of expertise in data analysis, experimentation, and machine learning, specializing in developing data-driven solutions for product growth. Throughout my career I've focused on solving the right problem, understanding my data, writing great code, and being a good teammate.

## Skills

Programming Languages: Python, SQL, R, Shell    DevOps: GitHub, AWS, Docker, CI/CD, CircleCI  
Data Processing: Postgres, Spark, Hadoop, S3, Airflow, Databricks  
Python Tools: pandas, scikit-learn, Flask, XGBoost, TensorFlow, PySpark, Matplotlib, Jupyter

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## Professional Experience

- **Fast Radius (SyBridge)** Boulder, CO  
*Senior Data Scientist / Technical Manager* Aug 2021–May 2024
    - Led a 3-person data science team, partnering with product and engineering to develop and deploy key products featured in our IPO documents
    - Ensured API uptime of our revenue-critical service, facilitating \$10M in monthly instant quotes
    - Performed time-series analysis on manufacturing IoT data to support R&D efforts
    - Used SQL to extract and analyze data, monitor model performance, create dashboards, and answer business questions
  - **Fast Radius** Chicago, IL  
*Data Scientist* Feb 2020–Aug 2021
    - Founding data scientist: developed, deployed, and maintained the first cost-prediction regression models, contributing to the early growth of the platform
    - Contributed to “Manufacturing and Development Platform” patent, laying the groundwork for the company’s software architecture
    - Established our data science platform with Python, scikit-learn, Flask, Docker, and AWS
  - **runtastic** Linz, Austria  
*Data Engineer* Oct 2018–Sep 2019
    - Designed and deployed a “People You Might Know” feature using Python, Spark, and Hadoop, improving user retention
    - Built an ETL pipeline to anonymize customer data for GDPR compliance
  - **Allstate** Menlo Park, CA  
*Research Analyst* Jul 2016–Sep 2018
    - Developed and trained machine learning models using Python, pandas, TensorFlow, and Spark to predict risk based on telematics and crash data
    - Co-authored a research paper with the Stanford Intelligent Systems Lab: “Real-time Prediction of Intermediate-Horizon Automotive Collision”
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## Education

- **University of California, Santa Barbara** Santa Barbara, CA  
*MS Mechanical Engineering* Dec 2014
- **University of California, Santa Barbara** Santa Barbara, CA  
*BS Physics & BS Mechanical Engineering* June 2010