

Rory Hartong-Redden

September 10, 2024 | Boulder, CO | roryhr@gmail.com | linkedin.com/in/rory-hartong-redden | roryhr.com

Summary

Senior Data Scientist with extensive experience in product data science, data engineering, and backend engineering. I enjoy collaborating with product teams to define metrics, drive insights, and ultimately enhance the user experience. Adept at developing and deploying machine learning models and improving data foundations for long-term impact.

Skills

Programming Languages: Python, SQL, Shell DevOps: AWS, Docker, Terraform, CircleCI, Git
Data Processing: Postgres, Spark, Hadoop, S3
Data Science Tools: pandas, Scikit-learn, Flask, XGBoost, TensorFlow, PySpark, Matplotlib

Professional Experience

- **Fast Radius (SyBridge)** Boulder, CO
Technical Manager and Data Scientist Aug 2021–May 2024
 - Ensured API availability for revenue-critical services, facilitating \$10M in monthly instant quotes
 - Crafted SQL queries to collect training data, monitor model accuracy, and answer adhoc questions
 - Provided statistical analysis and visualization support for R&D projects involving manufacturing IoT data using Jupyter Notebooks with Python
 - **Fast Radius** Chicago, IL
Data Scientist Feb 2020–Aug 2021
 - Tech stack: Python, SQL, Scikit-learn, Flask, Docker, AWS GovCloud, Datadog
 - As the founding data scientist, deployed the first machine learning model progressing from research to data munging to production deployment with Docker
 - In the startup culture I dipped into the Elixir backend, JavaScript frontend, or Terraform infrastructure to fix bugs and remove blockers
 - **runtastic** Linz, Austria
Data Engineer Oct 2018–Sep 2019
 - Tech stack: Python, SQL, Spark, Hadoop, Flume, Oozie, Hive
 - Led the design and deployment of a “People You Might Know” feature to bootstrap a social network and improve the retention rate
 - Built a data pipeline to anonymize customer data to comply with GDPR regulations
 - **Allstate** Menlo Park, CA
Research Analyst Jul 2016–Sep 2018
 - Trained machine learning models and analyzed telematics and crash data for risk prediction
 - Co-authored a research paper titled “Real-time Prediction of Intermediate-Horizon Automotive Collision” with the Stanford Intelligent Systems Lab
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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