

Rory Hartong-Redden

January 30, 2023 | Boulder, CO | roryhr@gmail.com | roryhr.com | github.com/roryhr

Summary

data scientist and manager

Tools

Python, Elixir, SQL, Git, Shell Spark, Hadoop, S3
AWS, Docker, CircleCI Jupyter Notebooks, PyCharm
Python Tools: Conda, Flask, Pandas, scikit-learn, requests, pytest, PySpark

Work

- **SyBridge (acquired Fast Radius)** Boulder, CO
Data Science Manager *Aug 2021–Present*
 - Lead the data science team, expanded CNC coverage and estimated lead times
 - **Fast Radius** Chicago, IL
Data Scientist *Feb 2020–Feb 2021*
 - Tech stack: Python, scikit-learn, Flask, AWS ECS, Docker
 - Founding data scientist, built out a costing API for instantly quoting additive parts
 - **runtastic GmbH** Linz, Austria
Data Engineer *Oct 2018–Sep 2019*
 - Tech stack: Python, Spark, Hadoop, Flume, Oozie, Hive, RabbitMQ
 - Led the design and deployment of a “People You Might Know” data product using Spark, scikit-learn, SparkML, and Elasticsearch
 - Built a data exchange prototype with Kafka and a production system with AWS S3
 - **Allstate** Menlo Park, CA
Data Scientist *Jul 2016–Sep 2018*
 - Tech stack: Python, Pandas, Tensorflow, Spark, Julia, PostGIS
 - Worked with the Stanford Intelligent Systems Lab, co-authored a paper on our research “Real-time Prediction of Intermediate-Horizon Automotive Collision”
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Projects

- **Master’s Thesis** Santa Barbara, CA
Krechetnikov Fluid Physics Lab, Dept. of Mechanical Engineering *Dec 2013–Jun 2014*
 - Incorporated a recent image processing technique for cheap 3D high speed mm-resolution measurement over a surface area of 225 cm²
 - **Bachelor’s Thesis: Drop Splash Experiment** Santa Barbara, CA
Krechetnikov Fluid Physics Lab, Dept. of Mechanical Engineering *Jul 2009–Oct 2010*
 - Published a peer-reviewed article on the experimental and theoretical advances I developed that may have solved a 100-year-old puzzle in fluid dynamics
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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*