Rory Hartong-Redden

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Summary

lead data scientist

Tools

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

Work

- **SyBridge (acquired Fast Radius)** Boulder, CO
  Data Science Lead *Feb 2021–Present*
  - Tech stack: Python, scikit-learn, Flask, Docker, AWS ECS
  - Lead the data science team, expanded our models to cover CNC and plastic molding
- **Fast Radius** Chicago, IL
  Data Scientist *Feb 2020–Feb 2021*
  - Founding data scientist, built an 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
- **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"

Projects

- **Master's Thesis** Santa Barbara, CA
  Krechetnikov Fluid Physics Lab, Dept. of Mechanical Engineering *Dec 2013–Jun 2014*
  - Tech stack: MATLAB, SolidWorks, LaTeX
  - Incorporated an image processing technique for cheap 3D high speed mm-resolution measurement over a surface area of $225\,\mathrm{cm}^2$
- **Bachelor's Thesis: Drop Splash Experiment** Santa Barbara, CA
  Krechetnikov Fluid Physics Lab, Dept. of Mechanical Engineering *Jul 2009–Oct 2010*
  - Published an article on the physics of splashes based on an experiment I designed and ran

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*