

Dominik Huffield

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SUMMARY

A resourceful individual possessing expertise in statistical model development and scalable data storage. Specifically, skilled in scrutinizing large data sets through a combination of architecture and machine learning to yield signal within the engulfing noise.

SKILLS

Highlight Skill: Collaborative Problem Solving

Programming Skills: Python, Java

Machine Learning: PCA, Time-Series-Decomposition, Gradient-Descent, RNN, CNN

ML Tools: Numpy, Pandas, Scikit-Learn, matplotlib, Tensorflow

Data Visualization: PowerBi, Matplotlib, Tableau

Data Skills: Wrangling, Storytelling, Analytics, Visualization, Stats-Modeling

Data Storage: SQL, noSQL, MongoDB, Redis

Cloud: AWS (Sagemaker, EC2, ECS), Digital Ocean, Docker

PROJECTS

Forecast Product Demand

- Utilized inventory data to build a machine learning model forecasting localized product demand.
- Allows retailers to act preemptively and avoid negative effects from a bull whip along the supply chain.
- Pipeline handles stationarity, standardization, decorrelation then trains a deep learning model.

Strategic Financial Insight

- Model of government finances and local crime statistics relationship
- Drove the development of a strategy to effectively reduce crime
- Wrangled data from BLS, Census, FBI and GFD to augment existing database.
- Delivered pipelines to output insightful visualizations and to train a Time Fixed Effects Regressor.

EXPERIENCE

Backend Developer | *Prismatik AI* | New York, NY

6 months

- A Shopify plugin allowing merchandisers to better harness their data.
- ETL data for front end developers in a Python and Redis architecture.
- Design and develop predictive model allowing clients to manage inventory along the supply chain.
- Design of a unsupervised model using dynamic time warping for synergistic connections.

Research Data Scientist | *Informatics Skunkworks* | Boise, ID

1 year

- Collaborate with fellow researchers to advance production methods for bulk metallic glasses.
- Construct visualizations to deliver the team's experiment data in a digestible format.
- Performed data cleansing and preprocessing to optimize the quality of ML models.
- Create ML models to identify alloys with high glass forming abilities.

Data Analyst | *Tis The Season LLC* | Boise, ID

4 months

- A web-app aimed to connect homeowners with student labor by providing a booking service.
- Effectively managed client's requests by deploying a workforce of ~30 students.
- Managed the site's backend and SQL database housing client/employee data.
- Present visualizations of market research by forecasting financial benefit of fundraising.

EDUCATION

Data Science Career Track | *Springboard* |

Aug 2020 – Dec 2020

B.S. in Economic Analytics W/ Computer Science | *Boise State University* |

Aug 2015 – May 2020