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: <u>*Collaborative Problem Solving*</u>

Programming Skills: *Python*, Java
Machine Learning: <u>*PCA*</u>, Cross-Validation, <u>*Time-Series-Decomposition*</u>, <u>*Gradient-Descent*</u>
ML Tools: Numpy, Pandas, <u>*Scikit-Learn*</u>, 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, <u>*Docker*</u>

PROJECTS

Automating Deployment
- Scrapes data of stocks and feeds them down a pipeline to display a dashboard using Streamlit
- Deployment is automated using Github actions and Docker containers via Docker compose
- Project has been outfitted to be deployed to EC2 or VPS

Predict Future Sales
- Utilized sales data to build a machine learning model forecasting sales counts.
- 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.

Financial Spending Model
- 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 <u>Time Fixed Effects Regressor</u>.

EXPERIENCE

Research Data Scientist | *Boise State University* | Boise, ID   Jan 2019 – Dec 2019
- 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.
- Preformed 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   Feb 2019 – May 2019
- 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