

# Dominik Huffield

♦ Email: [cogentdom@gmail.com](mailto:cogentdom@gmail.com) ♦ Phone: [208-761-4042](tel:208-761-4042) ♦ [LinkedIn](#) ♦ [Portfolio](#) ♦ [Github](#)

## 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, Cross-Validation, Time-Series-Decomposition, Gradient-Descent

**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

---

### 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.

### Strategic Insight, IPI

- 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

---

**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.
- 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 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