Brandon J Griffin

Data Analyst and Data Scientist

San Francisco, CA

Portfolio | LinkedIn | (775) 240-9300 | BranJGriffin@gmail.com

With an academic background in physics and 5 years of experience in Data Analytics and Data Science, I'm passionate about visualizing and extracting key insights from complex datasets. In 2018, I happily relocated to the Bay Area as a STEM researcher where I'm now looking to bring my expertise to a high-growth environment building world-class, data-driven products.

EDUCATION

University of Nevada Reno — ***M.S. Physics - Aug 2019***

Advisor: Dr. Joshua B. Williams — ***B.S. Physics, Math Minor - May 2014***

SKILLS

Technical: Python, SQL, Tableau, Pandas, NumPy, Scikit-learn, SciPy, Statsmodels, Matplotlib, Seaborn, Plotly-Dash, Keras, TensorFlow, NLTK, Excel, Jupyter, Visual Studio, VS Code, Heroku, Git.
Analytics: Statistical inference and modeling, statistical mechanics, loss function analysis, multivariable calculus, differential equations, linear algebra, real-time analytics.

EXPERIENCE

Lawrence Berkeley National Laboratory, Berkeley, CA — Feb 2021 to Jul 2021

Data Analyst - Freelance Project GitHub README | Heroku Web App

- Developed open-source visualization tools, built an interactive dashboard in Python with Plotly-Dash, validated data quality, and established infrastructure for automated reporting.

General Assembly, San Francisco, CA — Sep 2020 to Dec 2020

Data Scientist - Apprenticeship

- Statistical Modeling in Python with Feature Engineering: Employed machine learning (ML) algorithms to predict the sales price of real-estate and reduce loss by over 36%.
- Democratizing Autonomous Vehicle R&D (Group Project): GPU accelerated training of ML models, via GCP cloud solutions, to simulate self-driving cars.
- Time-Series analysis of stock market data and ARIMA modeling to predict the impact of global financial news sentiment on closing prices for leading companies in the energy sector.

U.S. DOE Office of Science, Berkeley, CA — Jun 2018 to May 2019

Research Fellow, Advanced Photo-injector Experiment

- Applied statistical methods to investigate potential sources of insight for compatibility with existing technological limitations, and prioritized those most optimally suited for quantitative analysis.
- Collaborated across cross-functional teams, fabricating improvements to cutting-edge data-acquisition systems and improving scalability of automated data processing techniques.
- Presented insights to major stakeholders at the 50th Annual Meeting of the American Physical Society Division of Atomic, Molecular and Optical Physics.

Nevada System of Higher Education, Reno, NV — Jun 2016 to May 2018

Graduate Research Assistant, Atomic Molecular and Optical Science Group

- End-to-End Engineering: Spearheaded design, construction, and deployment of a $500,000 computational imaging apparatus, culminating in successful commissioning, by demonstration of overall performance, through approved experiments at a U.S. National Laboratory.
- Implemented critical understanding of interacting components, and functional impact each had on overarching system functionality, through contributions to design and technical documentation.