Brendon Jerome Butler

Email / Website / LinkedIn

Experience

Ericsson, Irvine, CA

Data Science Intern, Network Engineering   March 2020 — Present
- Designing and building automated data pipeline for advanced data analysis and reporting procedures
- Streamlining ETL processes using Apache Airflow, saving over 10 hours of project manager work time per week
- Building and publishing customized interactive reports and dashboards using Tableau server
- Developing machine learning algorithms to predict customer KPIs in key market areas

National Science Foundation, Irvine, CA

Graduate Research Fellow   September 2016 — Present
- Designed and conducted online and in-person experiments investigating how humans retrieve information from memory
- Built hierarchical linear and logistic regression models in R, Python, and SAS to predict how accurately humans retrieve information from memory under different task demands with less than 5% margin of error
- Published findings in peer-reviewed academic journals and presented findings at conferences

Insight Data Science, Los Angeles, CA

Data Science Fellow   September 2019 — December 2019
- Built NBA-GameFinder, a web app that helps NBA fans pick the best game to attend based on their preferences
- Retrieved the past five years of NBA statistics using Python and stored the data in a PostgreSQL database
- Engineered dozens features to uncover the best predictors of team success
- Predicted 2019-20 NBA season results using logistic & linear regression
- Designed and deployed an interactive web app using Flask, Bootstrap, and AWS

Irvine Company, Irvine, CA

Data Science & Engineering Intern   June 2019 — July 2019
- Developed time series models to forecast tenant churn using SARIMA and Prophet
- Updated production code in Alteryx to improve forecasts
- Made Tableau dashboards to visualize forecasts

Education

Ph.D.	**Psychological Science; Quantitative Methods**, University of California, Irvine	July 2020 (expected)
M.A.	**Social Ecology**, University of California, Irvine	May 2017
B.A.	**Psychology**, University of California, Riverside	June 2012

Skills

Programming languages: Python, SQL, R, Java, Scala,
Databases and tools: PostgreSQL, Cassandra, Airflow, Spark, AWS, Redshift, Flask, Bootstrap
Machine learning: Multilevel modeling, classification, clustering, feature engineering, dimensionality reduction
Research: Experimental design, hypothesis testing, A/B testing
Other software/statistical packages: Tableau, SAS, STATA, SPSS, Alteryx, Qualtrics, ArcGIS, LATEX