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

Work authorization: U.S. Citizen