

Brandon Walker

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Education

BS in Statistics and Economics

August 2015 – May 2019

GPA: 3.61

Texas A&M University

College Station, TX

University Honors Student

Work History

Data Scientist

November 2019 – Present

IBM

Austin, TX

- Leverage machine learning, analytics, optimization, and deep learning to provide expertise and leadership to design data science and AI solutions that drive client technology benefits across industries.

Data Science Intern

May 2019 – August 2019

SphereOI Studios

McLean, VA

- Made use of NLP procedures and algorithms to align client NoSQL database in MongoDB with third party APIs. Enabled the client to enhance their search bar and database with reviews, ratings, and products tags.
- Developed deep learning systems in TensorFlow for computer vision to do image classification, segmentation and super resolution to enable search and rescue drones to self-task their exploration.

R Programming Instructor

January 2019 – May 2019

Texas A&M University

College Station, TX

- I developed a course that prepared undergrad students for future R statistical computing courses. Lectures included regression, random forests, Shiny, hierarchical clustering, and creating dashboards in R Markdown.

Data Science Intern

May 2018 – August 2018

CNH Industrial

Racine, WI

- Replaced existing Excel based forecast with machine learning models broken down by brand, product, and region. Forecasts were built into R Markdown presentations and dashboards.
- Identified the effect that the closing of a CNH dealership has upon the sales of surrounding dealerships using spatiotemporal models.

Involvement and Projects

1st Place in the 2019 Graduate Student/PhD Texas A&M Institute of Data Science Competition

<https://tamids.tamu.edu/2019/05/09/2019-tamids-data-science-competition-results/>

My team modeled bike share usage in Los Angeles, creating interactive visualizations of forecasts, bike docking station overflow and community dock suggestions for locations. Our presentation won us job offers on the spot.

Towards Data Science Author/Contributor

<https://towardsdatascience.com/>

I write articles for TDS, the 10th most popular Medium Publication, covering data science, machine learning, programming, visualization, and artificial intelligence. Towards Data Science currently has around 320,000 monthly subscribers.

Twitter User Analysis

<https://brwalker.shinyapps.io/TwitterTopicModeling/>

Using twitter's API and NLP/text mining procedures I measured what a twitter user has been talking about over time by finding words they tweet with the highest monthly term-frequency inverse-document-frequency product.

Data Science Training Officer for the Texas A&M Data Analytics Club

Produced, taught, and presented on data science topics including data cleaning, time series analysis, interactive visualization, neural networks, deep learning, and natural language processing.

4th Place in the 2018 Undergraduate Texas A&M Institute of Data Science Competition

I lead a team that generated a forecast for the cost of a taxi trip in Chicago based on time of day, day of week, and region. Presented to a group of academic and industry judges.