

Harrison S. Jansma
<https://harrisonjansma.com>
(210) 251-1512 | harrisonjansma@yahoo.com

EDUCATION

The University of Texas at Dallas Master's in Computer Science, Data Science Track	Aug 2018 – May 2020
Baylor University BBA Business Fellows, Mathematics	Aug 2013 – May 2017

TECHNICAL SKILLS

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- Highly proficient: Python, NLP, Clustering, Classification, Visualization, SQL
 - Proficient: C++, Versioning (Git), Statistical Analysis, Deep Learning
 - Familiar: AWS, Spark, Tableau

WORK EXPERIENCE

Data Science Intern – Sprint Overland Park, Kansas	May 2019 - Aug 2019
<i>With minimal supervision, prototyped and implemented a machine learning application used to proactively identify billing errors. Also planned and led an executive-level machine learning course that greatly improved communication between management and development teams.</i>	
<ul style="list-style-type: none">• Designed complex SQL queries to aggregate customer billing data. Prototyped a tree-based model (GBM) that detected billing errors with high precision. Collaborated with dev team to implement the model on remote servers using SQL and PySpark.• Using free-text data from customer care centers, prototyped a bag-of-words model that identified complaints most likely to originate from business logic defects.• Designed and taught a high-level class on machine learning for project managers and the department director. With a better understanding of machine learning, project leaders were able to refocus the strategy of the existing data science team to better match their goals.	
Data Science Consultant - Upwork Plano, Texas	Oct 2018 - present
<i>Long-term NLP research project with Sociologists at the University of Pennsylvania. Implemented machine learning model to identify the emotional content of social media profiles.</i>	
<ul style="list-style-type: none">• Designed Python scripts to extract data from millions of public social media profiles.• Designed and deployed an emotion-recognition model based on cutting-edge NLP and deep learning methods (LSTMs). Final model was used to test the effect of contentious political events on different US subpopulations.	
Instructional Associate – General Assembly Plano, Texas	Mar 2019 – June 2019
<i>Taught data science fundamentals to data analytics professionals at a large tech company. Listened to questions, identified underlying information gaps, and explained data science concepts in technical or non-technical ways.</i>	
<ul style="list-style-type: none">• Taught software engineers, data analysts, and database architects skills like Python scripting, data visualization, and machine learning through interactive coding exercises.• Led a two-hour session focusing on the application of logistic regression and classification metrics with Python to a classroom of thirty.	