

Joshua Lelon Mitchell

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I work with and analyze data. I have significant experience in data analysis, machine learning engineering, and, most recently, data engineering. I'm looking for a full-time role starting Jan 2020 where I can enhance my knowledge and add value in those domains.

TECHNICAL SKILLS

Data Analysis, Python (pandas, matplotlib, sk-learn), **SQL**, Google Cloud (BigQuery, Composer), git, Jenkins, Concourse, Airflow, R, MATLAB, Jupyter Notebooks, LaTeX

EDUCATION

DEC 2019 **Master of Science** in COMPUTER SCIENCE, Texas State University, San Marcos, TX
GPA: 3.73/4, Focus: Data Mining
HomeAway InternHackATX Team MVP Nominee (2017, 2018)

MAY 2016 **Bachelor of Science** in COMPUTER SCIENCE, Texas State University, San Marcos, TX
(complete) GPA: 3.63/4, Dean's List: Fall 2015, Spring 2016
USAA 2015 Intern Innovation Open, 1st prize (resulting in patent filing)

CAREER EXPERIENCE

MAY 2019 - **Data Engineer Intern** (Marketing Analytics) | THE HOME DEPOT INC, Austin, TX
Aug 2019 **Tech:** Google Cloud (Dataflow, BigQuery, Cloud Composer), Airflow, Concourse, Python
- worked on the Transaction Matching (TM) team, where the goal was to match people to their transactions to yield better marketing insights
- helped migrate a data pipeline to Google Cloud as part of a \$600,000/yr savings

AUG 2017 - **Research and Teacher Assistant** | TEXAS STATE UNIVERSITY, San Marcos, TX
May 2019 **Tech:** Spark, Python (PyTorch, numpy, pandas, matplotlib, scikit-learn), Unix
- implemented a novel bias detection algorithm on large social media / network datasets using Spark (second project)
- took a previous deep learning model and modified it to accommodate the xView dataset for object detection and classification (first project)

JUN 2016 - **Software Developer** | GENERAL MOTORS COMPANY (GMC), Austin, TX
Aug 2017 **Tech:** Angular.js, HTML, CSS, Javascript, REST, SQL
- part of a team that developed an Angular.js mobile web application designed to help factory workers track parts via RFID chips
- developed feature enhancements that generated a large efficiency increase in factory assembly line yield across 60+ GMC factories

PROJECTS

Domain-Adapted Word Embeddings Working on implementing and improving an algorithm that takes general word embeddings and fine-tunes them for smaller, more specific data sets.
Business value: enhanced customer support, declining churn, review filtering

lelon.io Blog I write technical tutorials and examine ideas to make them more digestible. I've produced content and delivered talks on subjects like [PyTorch](#) and [machine learning](#).
Business value: better understanding of client needs, improved communication skills