

# Joshua LeLon Mitchell

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I'm a developer with significant experience in front-end engineering, machine learning engineering, and, most recently, data engineering. I'm looking for a Summer 2020 internship where I can enhance my knowledge and add value in one of those domains.

## TECHNICAL SKILLS

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**Python** (numpy, pandas, matplotlib, sk-learn), **SQL**, Google Cloud (BigQuery, Composer)

**HTML/CSS, JavaScript, Angular.js**, C++, Java, git, Jenkins, Concourse

## EDUCATION

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DEC 2020 **Master of Science** in COMPUTER SCIENCE, Texas State University, San Marcos, TX  
(part-time, evenings) 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

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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

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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