Joshua Lelon Mitchell

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I analyze data and write code to add business value.

TECHNICAL SKILLS

Python (numpy, pandas, matplotlib, sk-learn), **SQL**, HTML/CSS, JavaScript, Angular.js, git, Google Cloud (Dataflow, BigQuery, Cloud Composer), Concourse, Airflow, Spark, C++, Java

EDUCATION

DEC 2020 (part-time, evenings)	**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 (complete)	**Bachelor of Science** in COMPUTER SCIENCE, Texas State University, San Marcos, TX 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 - Aug 2019	**Data Engineer Intern** (Marketing Analytics) | The Home Depot Inc, Austin, TX <u>Tech</u>: 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 - May 2019	**Research and Teacher Assistant** | Texas State University, San Marcos, TX <u>Tech</u>: 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) - automated the end-to-end process of wrangling the dataset to training the model using a series of bash scripts (first project)
Jun 2016 - Aug 2017	**Software Developer** | General Motors Company (GMC), Austin, TX <u>Tech</u>: 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
Sep 2015 - May 2016	**Co-Op Software Engineer** | IBM Corporation, Austin, TX <u>Tech</u>: Angular.js, HTML, CSS, Javascript, REST, SQL, Balsamiq, Unix - part of a team of 6 that shipped a redesign of a mobile application that supplied users with server status updates they subscribed to - used Balsamiq to mock up application flows and the Ionic/Angular.js frameworks to build MVPs, fix existing bugs, and deliver the final application