

Joshua Lelon Mitchell

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I analyze data and write code to add business value, particularly in the marketing domain.

TECHNICAL SKILLS

Proficient: Python (numpy, pandas, matplotlib, sk-learn), git, Unix

Familiar: SQL, R, Matlab, HTML/CSS, JavaScript, Angular.js, C++, MPI, OpenMP, CUDA

Learning: Google Cloud (Dataflow, BigQuery, Cloud Composer), Concourse, Airflow, Spark

EDUCATION

MAY 2020 **Master of Science** in COMPUTER SCIENCE, Texas State University, San Marcos, TX
(part-time, evenings) GPA: 3.80/4, Focus: Data Mining & Natural Language Processing on Marketing Data
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 -
Aug 2019 **Data Engineer Intern** (Marketing Analytics) | THE HOME DEPOT INC, Austin, TX
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 an on-premise Hadoop-based data pipeline to Google Cloud

AUG 2017 -
May 2019 **Research and Teacher Assistant** | TEXAS STATE UNIVERSITY, San Marcos, TX
Tech: Spark, Python (PyTorch, numpy, pandas, matplotlib, scikit-learn), Unix
- modified an existing deep learning architecture to produce state of the art classification and localization accuracy on the xView dataset
- was in charge of taking a previous deep learning application and modifying it to accommodate an entirely different dataset
- automated the end-to-end process of wrangling the dataset to training the model using a series of bash scripts

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

SEP 2015 -
May 2016 **Co-Op Software Engineer** | IBM CORPORATION, Austin, TX
Tech: Angular.js, HTML, CSS, Javascript, REST, SQL, Balsamiq, Unix
- used Balsamiq to mock up application flows and the Ionic/Angular.js frameworks to build MVPs, fix existing bugs, and deliver a final application that supplied user's with server status updates