

# Joshua Lelon Mitchell

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## OBJECTIVE

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To use data and software to help create products and services that users and clients love, help make accurate and impactful business decisions, and become a subject matter expert that people can understand and trust.

## CORE TECHNICAL SKILLS

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Data: Python (Numpy, matplotlib, Pandas, Scikit-Learn, OpenCV, PyTorch), R, Matlab, SQL

Web: HTML/CSS, JavaScript, Angular.js

Peripherals: git, \*nix, LaTeX, Eclipse, Visual Studio, Balsamiq

## CAREER EXPERIENCE

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| MAY 2018 -<br><i>Present</i> | Graduate Research Assistant at TEXAS STATE UNIVERSITY, San Marcos, TX<br>I'm finding ways to improve object detection and localization on high-resolution satellite image datasets (xView) using deep learning under the guidance of Dr. Jelena Tesic.<br>Responsibilities include data wrangling, training/evaluating models, and writing up results. |
| JUN 2016 -<br>Aug 2017       | Software Developer at GENERAL MOTORS COMPANY (GMC), Austin, TX<br>I developed Angular.js applications and integrated them with existing REST services. My team was responsible for developing a mobile-first web application for factory workers in 60+ factories to keep track of parts on assembly lines.  |
| SEP 2015 -<br>May 2016       | Co-Op Software Engineer at IBM CORPORATION, Austin, TX<br>I used Balsamiq to mock up application flows and the Ionic/Angular.js frameworks to build MVPs and fix existing bugs. My team's main focus was to help redesign a mobile application that supplied the user with updates about the status of multiple servers.                               |

## EDUCATION

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| MAY 2019 | Master of Science in COMPUTER SCIENCE, <b>Texas State University</b> , San Marcos, TX<br>GPA: 3.75/4, Data Mining and Machine Learning focus |
| MAY 2016 | Bachelor of Science in COMPUTER SCIENCE, <b>Texas State University</b> , San Marcos, TX<br>GPA: 3.63/4, Dean's List: Fall 2015, Spring 2016  |

## SELECTED PERSONAL PROJECTS

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| DRAWINGGUIDE    | Created a image comparison algorithm that uses machine learning for identifying mistakes in drawings using OpenCV, and PyTorch.                                      |
| DOESCOLEMANWORK | Wrote a small Ionic/Angular.js application for the mother of a friend (a fire fighter that works a 24 hour shift every 3 days) that tells her the day he works next. |
| CHECKCLASS      | Wrote a Java Selenium script that navigates my University's class registration page and sends me a text if a specified class is available.                           |