

Joshua LeLon Mitchell

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OBJECTIVE

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

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

- MAY 2018 - Present** | Graduate Research Assistant at TEXAS STATE UNIVERSITY, San Marcos, TX
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. Responsibilities include data wrangling, training/evaluating models, and writing up results.
- AUG 2017 - May 2018** | Graduate Instructional Assistant at TEXAS STATE UNIVERSITY, San Marcos, TX
I taught Algebra and pre-Calculus course material to undergraduates in a classroom setting. Responsibilities included lecturing on course content as well as developing, administering, and grading homework assignments and quizzes.
- JUN 2016 - Aug 2017** | Software Developer at GENERAL MOTORS COMPANY (GMC), Austin, TX
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.

EDUCATION

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

SELECTED PERSONAL PROJECTS

- 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.