Joshua Lelon Mitchell

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CORE TECHNICAL SKILLS

Data: Python (numpy, matplotlib, pandas, scikit-learn), R, SQL, Matlab

Web: HTML/CSS, JavaScript, Angular.js

Other: git, *nix, LaTeX, Eclipse, Visual Studio

Planned learning: Hadoop Ecosystem (Spark, Hive, Pig, HBase, Cassandra, Kafka, etc), d3.js

CAREER EXPERIENCE

AUG 2017 - Present	**Graduate Instructional Assistant (TA) at TEXAS STATE UNIVERSITY** I teach Algebra and pre-Calculus course material to undergraduates in a classroom setting. Responsibilities include 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)** I was part of a team that developed a new mobile-first web application for factory workers in 60+ factories to keep track of parts on assembly lines. Specific contributions included webpage development and integration with REST services.
SEP 2015 - May 2016	**Co-Op Software Engineer at INTERNATIONAL BUSINESS MACHINES (IBM) CORP.** I was part of a team of six co-op software engineers that worked with mostly back-end and mobile technologies (specifically Node.js, HTML, CSS, JavaScript, and the Ionic framework). Our main focus was to help redesign a mobile application that supplied the user with updates about the status of multiple servers and sent notifications in the event of any changes.

EDUCATION

MAY 2019	Master of Science in APPLIED MATHEMATICS, **Texas State University**, San Marcos, TX GPA: 3.50/4, 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 machine learning powered image comparison algorithm for identifying mistakes in drawings using OpenCV, and PyTorch.
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.
DOESCOLEMANWORK	Wrote a small Ionic application for the mother of a friend (who is a fire fighter that works a 24 hour shift every 3 days) that tells her the day he works next.

Feel free to look at my GitHub (github.com/joshualmitchell) and website (lelon.io), to see more details about what I've been up to.

DrawingGuide (hyperlinked above) is my latest project.