Joshua Lelon Mitchell

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I write software and use advanced machine learning techniques to bring businesses value.
I leverage my deep learning expertise to derive key insights from complex multimedia data.
I have 3 years of combined personal and professional software development experience.

TECHNICAL SKILLS

Proficient: Python (numpy, pandas, networkx, matplotlib, PyTorch), C++, SQL, git, Unix, LaTeX

Familiar: Python (scikit-learn, OpenCV), R, Matlab, HTML/CSS, JavaScript, Angular.js

Learning: MPI, OpenMP, CUDA, Spark / Hadoop Ecosystem

EDUCATION

MAY 2019 — Master of Science in COMPUTER SCIENCE, **Texas State University**, San Marcos, TX
GPA: 3.80/4, Data Mining and Machine Learning focus
HomeAway InternHackATX Team MVP Nominee (2017, 2018)

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
USAA 2015 Intern Innovation Open, 1st prize (resulting in patent filing)

CAREER EXPERIENCE

AUG 2017 -
Present
Graduate Research / Instructional Assistant | TEXAS STATE U., San Marcos, TX
Tech: Spark, Python (PyTorch, numpy, pandas, matplotlib, scikit-learn), Unix

- Implemented a novel bias detection algorithm on graph datasets
- Currently creating a deep learning architecture that produces state of the art classi-fication and localization accuracy on the xView dataset
- In charge of taking a previous deep learning application and modifying it to accom-modate 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 the first mobile web application scaled across 60+ GMC factories
- Developed feature enhancements that generated an 8% efficiency increase
- Autonomously implemented Adobe XD mock-ups in Angular.js and integrated them with existing REST services

SEP 2015 -
May 2016
Co-Op Software Engineer | IBM CORPORATION, Austin, TX
Tech: Angular.js, HTML, CSS, Javascript, REST, SQL, Balsamiq, Unix

- I used Balsamiq to mock up application flows and the Ionic/Angular.js frameworks to build MVPs, fix existing bugs, and deliver the final application
- Supported the redesign of a mobile application that supplied user's with server status updates
- Debugged functions that retrieved, parsed, and pushed data to the REST API
- Worked on cross-functional team including 5 interns and a software architect