

# Ryan Hutchinson

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## EXPERIENCE

### General Motors Innovation Center, Austin, Texas

#### *Data Science / Operations Research*

Jun 2018 –

- reduced forecasting error by 20% using neural network time-series prediction models
- built distributed computation for training models with Docker and RabbitMQ
- developed validation processes for datasets and models with simple classification
- worked to establish hyper parameterization process for model training
- supported production development team with transfer from concept handover through multiple releases
- pioneered multiple ETL pipelines for new dataset creation using Sqoop, Oozie, PySpark, and eventually Koalas!
- proposed operational excellence projects on calculating supply chain part cost models
- served as campus coordinator for a couple successful recruitment trips to Texas Tech University
- Volunteer Event Planner with JumpStart group to engage and connect new college hires in Austin

**Hadoop, Jupyter, Pandas, SQL, Numpy, Hive, PySpark, Oozie, Sqoop**

### TitleFlow LLC, Lubbock, Texas

#### *Strategy & Operations Analyst*

Sep 2017 – May 2018

- strategic development and reorganization of core services
- added Excel Workbook creator using AWS EC2 instances and S3 Bucket
- defined software process for development teams
- analyze user usage for feature prioritization

**Bootstrap, AWS S3/EC2/Lambda, Azure Functions, Google Analytics, Intercom**

### L3 Technologies, Greenville, Texas

#### *Internal Research and Development CO-OP Software Developer*

Jan 2017 – Aug 2017

- designed and developed AngularJS web applications
- engineered Backend Services for Chat and Video web applications
- convinced purchase of Microsoft HoloLens and created business use cases
- received Secret Security Clearance

**AngularJS, JavaScript, Java, Python, Web-RTC, REST API, Bootstrap**

### NextEra Energy Resources, Houston, Texas

#### *Information Management Internship @ Gexa Energy*

May 2016 – Aug 2016

- design, developed, and implemented several business unit enhancement applications
- collaborated with business groups for quick high impact python scripts

## EDUCATION

### Texas Tech University, Lubbock, Texas

Bachelor of Science in Computer Science | GPA: 3.48

May 2018

Study Abroad: Northern Chile / San Pedro de Atacama

## INVOLVEMENT

### Texas Tech Ed Whitacre College of Engineering Young Guns

#### *Co-Chair - Fall 2018*

- work with College of Engineering Dean's Council members to guide new college grads
- setup and host social events for several Young Gun locations
- re-aligning Young Guns group for better feedback from all and not just executive committee

### Texas Tech Computer Science - External Advisory Board

#### *Inducted Spring 2019*

- discussed feedback from experiences during undergraduate degree
- worked as ACM Liason for the student lead group to find areas to improve and support
- teamed up with alumni to provide support to undergrads with resume critiques and mock interviews

### McCombs School of Business - Data Visualization Bootcamp

#### *Trilogy Education Services - Teaching Assistant*

Jan 2019 – Jul 2019

- work with an instructor to educate those wanting to visualize data - 35 students
- program in conjunction with UT McCombs Business School taught on week nights and Saturday
- program in conjunction with UT McCombs Business School
- [topics covered](#) "From Excel to Hadoop"

**Python, Hadoop, ETL, Data Visualization, Machine Learning**

### Texas Tech Engineering Ambassador, Engineering Opportunities Center

#### *Past Member*

Nov 2015 – May 2018

- spoke with prospective students and families
- interacted with civic groups and high school students
- gave tours of the engineering facilities
- created STEM outreach programs for local middle schools and high schools
- hosted companies on campus during recruiting events

## INTERESTS

speed, formula 1, flight, teaching