

# Taylor Griffin Smith

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## EDUCATION

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<b>The University of Texas</b>	MS Business Analytics	July 2014
<b>Texas A&amp;M University</b>	BA Psychology Minor: Arabic	May 2013

## WORK EXPERIENCE

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### State Farm

*Principal Data Scientist, Team Lead* April 2017 – Present

- Oversaw teams of data scientists on numerous projects, as both an individual contributor and a mentor.
- Architected and developed a proprietary Pyspark-based collaborative filtering recommender system, also designing and implementing its corresponding data pipelines and Spark streaming jobs.
- Extensive experience writing production-grade Python, driving numerous machine learning projects to production, including several cost-savings initiatives with annual savings in the millions.

*Senior Data Scientist, Team Lead* August 2015 – April 2017

- Modernized the P&C actuarial pure premium model by leveraging in-car telematics technology
- Explored unsupervised learning techniques such as auto-encoders for anomaly detection in identifying security threats (both internal and external) and potentially malicious user behavior
- Optimized claims routing for third party injuries using text analytics

### AT&T

*Sr. Specialist - Data Scientist* July 2014 – August 2015

- Developed machine learning algorithms using R, Java, Python and the Hadoop ecosystem to predict mechanical failure in AT&T fleet vehicles.
- Personally responsible for R&D, testing and production cycles of two separate subsystems in Fleet predictive maintenance products.

## AWARDS/HONORS

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### AT&T Big Data Trailblazer for Innovation

June 2015

- Awarded in recognition of my initiatives on my AT&T Predictive Fleet Maintenance project. AT&T has the largest private commercial fleet at ~78,000 vehicles; due to such voluminous inventory, they spend ~\$250M in maintenance and another ~\$250M in fuel annually. Our team of four was able to develop a suite of predictive models to predict and preempt failure in a number of vehicular subsystems, generating approximately ~\$5M in annual savings and dramatically reducing driver downtime due to vehicular issues.

## LEADERSHIP EXPERIENCE AND ACTIVITIES

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**American Mensa, Member** December 2010 – Present

**Phi Eta Sigma Honors Fraternity** December 2009 – May 2013

- Scored in top 20% of Texas A&M University GPAs, qualifying for entry into PES honor society

**Eagle Scout** May 2006

- Led a team of 25 scouts in the construction of a boardwalk to circumvent flooded areas at an elementary school
- Implemented a fundraising program in the community; created a budget and presented the proposal to the PTA board; donated the surplus of funds to future Eagle projects
- Managed a 297-man-hour project from blueprints to construction

## ADDITIONAL INFORMATION

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**Computer Languages:** Python, R, Spark, Java, MapReduce, Hive, SQL, Bash, JavaScript, SQL

**Tools and Packages:** scikit-learn, pandas, numpy, h2o, tensorflow, nltk, SpaCy

**Work Eligibility:** Eligible to work in the U.S. with no restrictions