# Rob Lee

## Data Scientist

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**Summary**   Data Scientist and Industrial Engineer adept in using machine learning and predictive analytics to find actionable insight through data. Experienced in big data and operations management environments with a focus in continuous improvement.

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**Skills**   Technical: Python, Git, SQL, Spark, Visual Basic, Minitab, Machine Learning, Webscraping, Pipelines, NLP, PCA, Unsupervised Learning
Python Libraries: Pandas, NumPy, Scikit-Learn, Matplotlib, Beautiful Soup, Keras

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**Experience**

**Amazon.com**                                                                                              **February 2017 – Present**
**Fulfillment Operations – Amazon Robotics Process Engineer**                                   Tracy, CA
- Benchmarked fulfillment centers in the NA Amazon Robotics sortable network
- Reduced negative hours to plan up to 389 hours weekly for single site
- Measured and defined input metrics for outbound department for the network through statistical modeling
- Managed local and remote databases to provide daily reporting to mid-senior level managers
- Consulted and mentored mid-low level managers on best practices to run outbound department
- Ran statistical analysis to measure and define processes before and after changes

**General Assembly**                                                                              **September 2017 - December 2017**
**Data Science Immersive - Data Science Fellow**                                               New York, New York
- Immersive data science program tackling real world projects by implementing statistical and ML models in Python
- Utilized boosting, feature engineering,  and regularization to create model predicting sales prices of real estate
- Created models to classify and categorize images of clothes with Keras and Convolutional Neural Networks
- Used Natural Language Processing to analyze Twitter tweets and make predictions based on parsed data
- Cleaned and wrangled data using Beautiful Soup and utilized APIs to import JSON files to Pandas dataframes

**Amazon.com**                                                                                          **April 2016 – February 2017**
**Fulfillment Operations – ACES Process Engineer**                                             Tracy, CA
- Drove process improvements on a local and network level for the NA Fulfillment Center network
- Led a safety kaizen event that resulted in 53% reduction in at-risk behaviors and 13% reduction in YOY incidents
- Co-led a kaizen event that resulted in 78% reduction in YOY incidents
- Created metric reports and tools using SQL and VBA to automate tasks for managers in the network

**Amazon.com**                                                                                              **June 2015 – April 2016**
**Fulfillment Operations – Area Manager**                                                      Tracy, CA
- Led a department of 80+ associates that produced over 200,000 units per shift
- Created key metric reports for outbound managers to standardize and align all shifts
- Ran most efficient seasonal department during peak in the network that pushed 15% of building's overall volume

**SPS Commerce**                                                                                          **June 2014 – June 2015**
**Customer Operations - Supplier Business Analyst**                                            Parsippany, NJ
- Supplier Business Analyst for over 200 accounts that constituted to over $325,000 in monthly revenue
- Improved QC process for reporting by over 50% leading to better customer experience
- Utilized SQL for data mining and customer case resolution

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**Education**   **New Jersey Institute of Technology**, Newark, NJ
Bachelors of Science, Industrial Engineering
- Lean Six Sigma Yellow Belt Certified