New York, NY
(914) 707-3191

Alex Deckert
Data Scientist

adeckert23@gmail.com
github.com/adeckert23
linkedin.com/in/adeckert23

TECHNICAL SKILLS:

Technical:
Python, SQL, Excel
Numpy, Pandas, Matplotlib
Scikit-Learn, Scipy, Seaborn
Git, Unix, AWS, Tableau, Spark
Google BigQuery, DataStudio
Google Analytics, Adwords, Flask
BeautifulSoup, NLTK, MongoDB

Machine Learning/Statistics:
Probability & Stats
A/B Testing, Hypothesis Testing
Regression Analysis
Supervised Learning
Unsupervised Learning
Recommendation Systems, NLP
Neural Networks (CNN, RNN)

DATA SCIENCE:

Data Science, Galvanize NYC   4/19
A 3-month, 700+ hour data science immersive training program covering core data science theory including probability and statistics, databases, regression, supervised and unsupervised machine learning algorithms, NLP, big data tools like MapReduce, Spark and AWS, as well as data visualization.

Intro to Python, Galvanize   12/18
3-month training program to introduce and refine python, data science workflows, OOP and popular libraries like Numpy, Pandas, Matplotlib and Sci-Kit Learn.

COMMUNITY:

Susan G. Komen:

Raised over $500,000 for breast cancer outreach and awareness by participating in multiple events, including Kickin it in Pink, The Amazin Raise and Ping Pong for the Cure.

DATA SCIENCE PROJECTS:

Football Intelligence | Capstone Project:
- Scraped data to get in-game statistics, to provide data analysis on player performance for the current year. Custom-built a radar/polar plotting tool for data visualization. Built virtual player profiles with machine learning XG Boost. Built web blog to showcase project.

Ridesharing Churn | Case Study**:**
- Analyzed app usage data and used data visualization to identify key predictors for user churn. Built random forests and XG Boosting models to predict churn with 77% accuracy.

Heavy Equipment Predictor | Case Study**:**
- Engineered features and built model (Linear Regression) to predict the sale price of heavy equipment.

Fraud Detection | Case Study**:**
- Analyzed transactional data for a ticketing website to understand what were the key features for Fraud abuse. Trained multiple models on the dataset to see which performed best at detecting fraud. Compared models using the ROC curve and confusion matrix. We then assigned values to a cost/benefit matrix to analyze which model performed best. The Gradient Boosting model was the best performer across all three of our metrics.

EXPERIENCE:

Jay Company - New York, NY
Data Analyst
- Used Python and SQL to source, clean and analyze raw data.
- Monitored KPI's that helped manage vendor relationships and Inventory management.
- Automated weekly/monthly/quarterly reports to aid different teams in their tracking of KPI's (warehouse, purchasing, sales).
- Utilized SEO, Adwords and Google analytics of the company website. Identified engagement issues, and created a targeted solution which led to website traffic increasing by 350% over a 3 month period.

Senior Account Executive

- Generated 750k in annual sales for the 2017 period. Achieved a 30% compounded annual growth rate over 7 year period.
- Devised a sales plan to target domestic startup garment manufacturers, that tripled pipeline value in 6 months.
- Supervised the merger and acquisition of Supertrim Lace. Forecasted potential synergies of customer acquisition. Integrated new sales members and trained the new purchasing manager on how to track KPI's in inventory management and purchasing.

EDUCATION:

State University of New York at Plattsburgh   2003-2007
B.S. in Business Administration
- Stock Market Club - 2x Stock simulator challenge winner.
- Student Managed Investment Portfolio team member