

MATT SHADISH

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EDUCATION

M.S. Analytics, University of San Francisco

Expected July 2015

Coursework: Machine Learning, Linear Regression, Time Series Analysis, NoSQL Databases, Data Acquisition

GPA: 3.97

B.S. Mechanical Engineering, UCLA

December 2013

Honors: Phi Beta Kappa, Tau Beta Pi

GPA: 3.75

Certifications: Base Programming for SAS 9

WORK EXPERIENCE

General Electric, San Ramon, CA

November 2014 – Present

Data Analytics Intern

Parts Sourcing Project

- Improved search experience through parts database by integrating elasticsearch with a Python Flask app
- Deploying fuzzy matching of GE part descriptions as a MapReduce task with Hadoop Streaming

Company – Contact Mapping Project

- Doubled match rate of company names using Levenshtein distance metrics and custom weightings in Python

Engage3, Davis, CA

December 2013 – August 2014

Data Scientist, Category Management Algorithms

- Managed, designed, and implemented Oracle PL/SQL algorithms to categorize 800M+ retail product records
 - Improved runtime of daily Oracle PL/SQL batch processes by 90% by developing incremental features
 - Modeled regular and promotional pricing among retailers using regression analysis of product prices
 - Collaborated with other members of the Data Science team using TortoiseSVN, Git, and Assembla
 - Began migration to Apache Cassandra with EIS team, leveraging my knowledge of pricing algorithms
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PROJECTS

Kaggle: Driver Telematics Analysis

January 2015 – Present

- Establishing driver fingerprints by extracting and creating features from driver positional data using R
- Differentiating unlabeled “true” records from noise using Random Forests with Python and scikit-learn

Kaggle: Sentiment Analysis on Movie Reviews

October 2014 – January 2015

- Classified movie review sentiment and scored in the top half of contestants using word vectorization and a support vector machine in Python

Financial Markets Sentiment Extraction

September 2014 – October 2014

- Scraped market opinion sites to understand market sentiment using Python and BeautifulSoup

Eccentric Exercise Machine Prototype

June 2013 – September 2013

Founder, Lead Engineer

- Researched, designed, and fabricated a prototype exercise machine made to facilitate eccentric exercise
 - Drafted and submitted a provisional utility patent application
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TECHNICAL SKILLS

- Programming Languages
 - Proficient: Python, SQL (Oracle PL/SQL, PostgreSQL, MySQL), R, SAS
 - Familiar: Bash, LaTeX, JavaScript, C++
- Other technologies: elasticsearch, Hadoop Streaming, MongoDB, Apache Solr