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## Summary

Solid background in data science, direct project experience in programming and data analysis.

Motivated self-starter, quick learner, and team player.

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## Education

### M.S., Statistics

August 2018 – May 2020

California State University of East Bay, Hayward, CA

### B.A., Economics

September 2014 – August 2016

University of California San Diego, San Diego, CA

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## Relevant Courses

Statistics and Probability, Categorical Data Analysis, Machine Learning, Statistic Natural Language processing, Data Visualization, Bootstrapping Methods, Mathematical Statistics, Statistical Time Series Analysis, Database Architecture, Theory of Regression

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## Class Projects

### Novels data on Gutenberg.org with R

Detected the most comment words, verified words relationships by n-grams and log odds, developed sentiment analysis.

### County Unemployment 2010-2015 with R and Tableau

Built choropleth maps, analyzed relevance between variables and visualized relationship in tableau.

### Lending Club data from 2012-2014 with R

Implemented data cleaning, created models (kNN-classifier, logistic regression, Naive Bayes, Random forests, Decision Tree and C5.0), compared ROC curve, and presented relationship between loan status and other parameters.

### NYC Flights data 2013 with R

Created data sets, filtered and merged data, joined new data table, compared and analyzed NYC flight.

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## Experience

### Tommy Energy Solution Corp, San Jose, CA

July 2019- May 2020

#### Data Analyst

Achieved 78% weekly accuracy of buy-sell decisions forecast.

Constructed models of CAISO demand price forecast and load forecast in python and R.

Analyzed data gathered in Tableau and developed buy-sell solutions for next day trading.

### Sino-Life Insurance, Hebei, China

August-September 2015

#### Underwriting Assistant

Verified paper work, capital transactions, and certification with insurance policies.

Applied the policy method and calculated the amount of compensation.

### China Merchant Bank, Hebei, China

July- September 2014

#### Business Loan Specialist

Verified clients' financial transactions and analyzed capital data via various software tools for property audit.

Conducted market valuation and risk assessment for clients.

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## Skills

**Programming Languages:** R, Python, SQL, MATLAB, STATA

**Statistical Analysis:** Hypothesis Testing, ANOVA, Regression, Bayesian Statistics, A/B Test, Time series

**Machine Learning:** Classification (kNN), Clustering (K-means), Random Forest, Model Validation and Optimization

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## Volunteer

### Bay Area Science Festival, Hayward, CA

October 2019

#### Student volunteer

### Silicon Valley Future Forum in AI&VR, Santa Clara, CA

August 2017

#### Operating Assistant

Coordinated with vendors on their AI &VR technology application demos and direct attendees to appropriate applications.

Conducted facility planning for the forum.