

# Dhruv Patel

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## Summary

A data scientist seeking the opportunity to solve complex problems that add value to a business using techniques such as machine learning and natural language processing.

## Work Experience

### Scan Health Plan - Data Scientist Intern (Marketing)

September 2017 - March 2018

- Extracted meaningful information from the text, I queried data and aggregated data, researched text mining/ machine learning algorithms, designed, programmed, and tested suitable algorithms using R/Python. This solution helped data scientist team to access the specific information for further analysis.
- Understood the overall picture and problems faced by customers from the big data, I created interactive visualization using tableau to understand the overall picture. This visualizations helped data scientist team to analyze important problems and give priority to solve them.
- Understood the business needs from consumer insights and marketing team, I worked closely with them to understand problem, provided the solution, and delivered presentation in layman's term. This made easy for everyone to follow the project, give suggestion and make effective improvements.

### Computer Technology Research Laboratory (UCLA) - Data Intern

September 2016 - March 2017

- Unstructured data can give high variance and high bias which affect the accuracy of the models, I queried data from the database, wrangled data using R/python. This helped UCLA data team to save time and focus on analysis.

### Berkeley Chess School - Instructor

November 2015 - September 2016

- Understanding chess problems and logic can be difficult to follow and understand, I mentored children to understand problems and logic. This improved them thinking different ways to solve problems.

## Education

### University of California Los Angeles, California

B.Sc. Statistics

(June 2018)

## Technical Skills

### Software and Programming Languages

*Tableau, R, Python, SQL, MySQL, Apache Spark, Tensor Flow, C++.*

### Machine Learning Algorithms/Statistical Methods

*Random forest, Regression models, KNN, PCA, SVM, Naive Bayes, K-mean clustering, NLP(text mining), Artificial neural nets, hypothesis testing.*

### Selected Coursework

*Linear Algebra, Probability Theory, Mathematical Statistics, Data analysis and Regression, Data Structures and Algorithms, Computational Statistics in R, Optimization in Statistics(Machine Learning), Statistical Consulting.*

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