

# Neal Zheng

510-996-8933    nealzheng1@gmail.com  
Fremont, CA 94538

## SUMMARY

Multidisciplinary, driven Data Analyst with a passion for condensing large data into a simple to understand story. Adept at working independently and collaborating with teams across multiple functions. Experience to distill information from a wide variety of sources and effectively break down concepts in layman's terms for diverse audiences.

## EDUCATION

**University of California, Berkeley**

**Berkeley, California**

**Data Analytics Boot Camp**

**Feb, 2019 – September 2019**

**Coursework:** Python for Finance, SQL Database, Data Mining, Machine Learning

**Rutgers University, New Jersey**

**Newark, New Jersey**

**Master of Quantitative Finance**

**August 2015 – May 2017**

**Coursework:** Econometrics, Fixed Income Analysis, Stochastic Calculus, Options

**University of California, Davis**

**Davis, California**

**Bachelor of Arts, Economics**

**September 2006 – June 2011**

**Coursework:** Analysis of Variance, Regression Analysis, Linear Algebra, Differential Equations

## PROJECTS

**ETL Project**

**May 2019**

- Extracted fundamental stock data from various sources
- Collected the missing information using python web-scraping & API calls
- Cleansed the data by adding and removing the raw attributes
- Designed and created relational database on MySQL

**Machine Learning Project**

**Aug 2019**

- Predicted box-office success of a movie based on YouTube data on Theatrical Trailer
- Transformed raw data into MySQL to prepare unruly data for machine learning
- Developed machine learning models such as using deep learning methods for classification and regression
- Built Web App and Dashboard for user searchable models to generate predictability/trends using python Flask
- Achieved 80% accuracy for mov success prediction

## EXPERIENCE

**Data Analytics Boot Camp, UC Berkeley, Berkeley, CA**

**Feb 2019 – Sept 2019**

- Performed analysis on large data set and generate key statistic from the data
- Developed proficiency in core Python, SQL, APIs and relational database fundamentals
- Organized data into well-structured and easily retrievable data formats using MySQL and MongoDB
- Applied visualization and design principles with Tableau to create meaningful data visualizations

**Experiential Learning, Rutgers/Citibank, Newark NJ, New York, NY**

**June 2016 – August 2016**

- Worked in a research team that focused topics on the challenges of fixed income instrument pricing
- Researched and learned major regulations stemming from the Subprime Financial Crisis (TRACE, CCAR, PPNR etc.), and methodologies used by banks and third-party vendors for pricing Mortgage-Backed Security data
- Applied Monte Carlo methods to simulate the interest rate term structures

**Licensed Premier Banker, Wells Fargo Advisor LLC, Union City, CA**

**Nov 2011 – August 2015**

- Worked with brokers to customize diversified financial plans for customers according to their financial goals
- Analyzed and presented different investment vehicles to help customers to make strategic investment decisions

## SKILLS

**IT:** Python (Pandas, SciPy, Sklearn, Flask, PySpark, TensorFlow), C++, SQL/NoSQL (MySQL, MongoDB), Data Mining, Data Analysis, Data Visualization, JavaScript, API Interactions, Machine Learning, Neural Networks, VBA, Tableau