Neal Zheng

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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 to take information from a wide variety of sources and effectively break down concepts in layman's terms to diverse audiences.

EDUCATION

University of California, Berkeley   **Berkeley, California**
Data Analytics Boot Camp   **Feb, 2019 – Present**
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

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
- Understood 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 such as equities, fixed income and annuities to help customers to make strategic investment decisions

SKILLS

IT: Excel, VBA, C++, MATLAB, Python (Pandas, SciPy, Sklearn, Flask, PySpark, TensorFlow), SQL, Data Mining, Data Analysis, MongoDB, Data Visualization, JavaScript, API Interactions, Machine Learning, Neural Network, Tableau