560 Huron Ave
San Francisco CA

CHRISTINA BUI

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SKILLS AND TECHNOLOGIES

Scripting Languages: Python, R, Java.
Databases: SQL, NoSQL.
Data Visualization: Tableau, Power BI.
Time Series Forecasting: Autoregression, Moving Averages, ARIMA, Holt-Winters, Exponential Smoothing.
Big Data Technologies: MapReduce, Hadoop, Pig, Hive, Spark.
Machine learning: Regression analysis, Random forest, Neural network, K-means, decision trees.
Tools & Platforms: JMP, AWS, Advanced Excel, Jupiter, Salesforce.

EMPLOYMENTS

Graduate Teaching Assistant **California State University, East Bay** **Fall 2019 – Spring 2020**

- Courses: Optimization Methods for Analytics, Business Analyst for Manager.
- Assist over 120 master's candidates in analyzing Linear Programing model's optimal solutions with Excel Solver and Solver-Table add-in to identify optimal solution for real case business.

Assurance Analyst **PricewaterhouseCoopers** **Fall 2015 – Fall 2017**

Assurance associate (2015-2017)

- Performed audits of operational and financial areas to check compliance with regulations.
- Conducted financing option analysis, market research, and legal due diligence.
- Get promoted to associate level 2.

Assurance intern (Fall 2015)

- Test financial statement accounts to ensure the proper recording of financial performance.
- Get promoted to associate level 1.

EDUCATION

California, United States **California State University, East Bay** **Fall 2018 – May 2020**

- Master of Science in Business Analysis, May 2020.

Luton, United Kingdom **University of Bedfordshire** **Fall 2012- May 2016**

- B.A in Business Studies, May 2016.

TECHNICAL EXPERIENCES

Projects

IEEE Fraud detection, Kaggle competition (2020).

- Obtain over 500k transactions from Vesta. Apply supervised machine learning models (logistic regression, deep neural network - TensorFlow) to classify potential fraud transaction, 90% correctly predicted fraud.
- Built neural network hidden layers from scratch, applied multiple techniques to prevent overfitting, including L1&L2 regularization, class-weight (imbalanced dataset), add momentum. Python

How Twitter reacts to COVID-19 (2020).

- Apply Natural Language Processing (topic modeling, word frequency and sentiment analysis) to evaluate how people react with COVID-19 from Twitter and WHO reports. Python, NLP

Zillow (2019). Web scraping & Data analysis. Analysis of real estate trends for Bay Area Cities in California. MapReduce, HIVE

IBM HR Analytics Employee Attrition & Performance (2019).

- Apply logistic regression, classification tree and neural network models to predict the attrition of employees. Increase the IBM HR's ability to prevent attrition. JMP

CERTIFICATES

- Advanced SQL for Data Scientist
- Tableau 10 Essential Training
- Python for everybody