560 Huron Ave
San Francisco CA

# CHRISTINA BUI

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## EMPLOYMENT

**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 SolverTable add-in to identify optimal solution for real case business. Receive recommendations.

**Auditor**     **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

**Hayward, CA**     **California State University, East Bay**     **Fall 2018 – May 2020**
- M.S.B.A. in Business Analysis, May 2020.
- Related Coursework: Programming Languages Python; Technology Fundamentals for Analytics; Quantitative Fundamentals for Analytics; Database Management and Applications; Optimization Methods for Analytics; Data Analytics with python; Data Mining; Data Warehousing and Business Intelligence; Big Data Technology and Applications; Deep Learning for Business Applications; Natural Language Processing with Python; Business Analytics Capstone Project.

**Luton, United Kingdom**     **University of Bedfordshire**     **Fall 2012- May 2016**
- B.A in Business Studies, May 2016.

## TECHNICAL EXPERIENCE

**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. Achieve 89% accuracy of prediction.
- Built CNN hidden layers in Keras from scratch, applied multiple techniques to prevent overfitting, including L1&L2 regularization, class-weight (imbalanced dataset), add momentum.  Python, CNN
**How Twitter reacts to COVID-19** (2020).
- Obtain unstructured data (text) from Twitter and WHO reports related to Covid-19 tweets. Apply Natural Language Processing (topic modeling, word frequency and sentiment analysis) to evaluate how people react with COVID-19.  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 intervene on time and remedy the situation to prevent attrition. JMP
**Indeed** (2018). Web scraping & Data analysis. To help determine the trends and relationships in the field of data analysis in USA. Python, Beautiful Soup

## LANGUAGES AND TECHNOLOGIES

- Python, R, SQL, JMP, Advanced Excel.
- Visual Studio, Microsoft SQL Server, CNN, NLP, MapReduce, HIVE, Hadoop.