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# Sarah Jingxian Chen

## PROFESSIONAL SUMMARY

Detailed-oriented Data Analyst with proven track record in data analytics. Strategic mindset that focuses on problem solving tasks and maintaining priorities on strict deadlines. Drives business effectiveness through making recommendations based on data findings.

## SUMMARY OF QUALIFICATIONS

- SQL: 2+ years of experience with SQL query language and MySQL database
- Python: 2+ years of experience with Pandas, NumPy, Matplotlib, and Scikit-Learn
- Analytical Skills: data manipulation, visualization, and mining
- Other software competencies: Tableau, Power BI, Microsoft Excel, Microsoft Access, Google Analytics

## EDUCATION

**M.S. in Business Analytics**, *2020*            California State University, East Bay (CSUEB) – Hayward, CA
**B.A. in Media Studies-Public Policy Minor**, *2017*      University of California, Berkeley (UCB)– Berkeley, CA

## WORK EXPERIENCE

*Graduate Student Researcher*                                                      10/2018-12/2019
California State University, East Bay – Hayward, CA
- Designed, built, tested and maintained complex dashboard visualization using Tableau for student employment placement data
- Boosted university's marketing performance by 25% in terms of its number of followers in different social media platforms like Wechat, Facebook, and Twitter
- Ran SQL code to assess, clean, validate and analyze large datasets to support email campaigns

*Data Analyst*                                                                          08/2017-07/2018
Apple Inc. – Sunnyvale, CA
- Analyzed data, generated meaningful graphs, and identified trends to provide useful insights and improve internal controls by 30%
- Wrote SQL queries to conduct data cleaning to avoid 85% duplicated data in the database
- Coordinated with engineers to develop web system for manual verification and quality assurance
- Generated analytic reports effectively and efficiently delivered summarized results, analysis, and conclusions to managers using internal tools

## TECHNICAL PROJECTS

*Capstone Project: Prediction of Loan Approval, CSUEB*                           01/2020-05/2020
Explored the association between factors (i.e. loan applicants' gender, marital status, education, income, etc.) and loan application status using Python.
- Implemented the project from problem identification, data cleaning, statistical modeling (decision tree, random forest, logistic regression, and KNN), variable selection, and reporting
- Performed exploratory data analysis, e.g. graph visualization and table summary to uncover underlying structures of the dataset

*Data Analytics: Job Analyses, CSUEB*                                             01/2019-03/2019
- Created web scraping routine to automate job descriptions collection from Glassdoor using Beautiful Soup
- Cleansed and resampled data using Python packages such as NumPy and Pandas
- Examined the correlations between company size and salary expectation by importing linear regression model using Scikit-Learn
- Visualized and presented results from data analyses using Matplotlib