

## Chin Wang (Edward) Lui

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### EDUCATION

**California State University, East Bay**, Hayward, CA

Expected to graduate in December 2020

#### **Master of Science in Business Analytics**

- Relevant coursework: Data Analytics with R, Data Mining, Optimization Methods for Analytics, Text Mining, Big Data Technology

**University of California, Berkeley**, Berkeley, CA

August 2015

#### **Bachelor of Art, Statistics**

- Relevant coursework: Concept of Probability, Concepts in computing with Data, Sampling Surveys, Game Theory, Introduction of Time Series, Multivariable Calculus, Linear Algebra and Differential Equations

### TECHNICAL SKILLS

- Programming Skills: SQL (PostgreSQL, MySQL, Oracle SQLPLUS), R, Python
- BI tools: Tableau
- R: Support Vector Machine, Regression analysis, K-nearest neighbor, Cross validation, Decision Tree Model, Apriori Data Mining
- Excel Skills: Precision Tree, Solver, @Risk, Index and Matching, Pivot tables, Pivot reporting, VLookup, Date and Text Function
- Other: Microsoft Office Suite, Excel
- Language: Cantonese and Mandarin Chinese

### EXPERIENCE

**Facebook**, Menlo Park, CA

August 2016 - August 2018

#### **Data Rating Analyst - Location Team**

- Analyzed Facebook pages data and built dashboards to present findings to upper management by Tableau
- Managed various projects such as data integrity project to enhance data integrity score of Facebook pages
- Set business metrics that measure the data integrity of various Facebook location pages
- Developed guidelines and designed workflow for data raters to facilitate the data curation process
- Identified patterns and communicated with data raters and data engineer to build up a better framework for data curation
- Conducted competitor analysis and provided product team with recommendations on the search engine of Facebook

**Karmic Labs**, San Francisco, CA

April 2016 - July 2016

#### **Data Analyst Intern**

- Created KPI dashboards by utilizing BI tools (Tableau, Periscope, and Superset) to deliver actionable insights
- Worked with the appropriate teams to effectively source required data and communicate the findings to business stakeholders and clients
- Managed scaling data infrastructure by evaluating and testing different BI and data warehouse solutions
- Identified and automated manual processes to increase productivity by utilizing BI tools and workflow management solution (Zapier)
- Created and deployed real-time alerts for compliance and operations team in Airflow using Python

**Mary P Canning CPA**, Piedmont, CA

August 2015 - April 2016

#### **Staff Tax Accounting Associate**

- Prepared simple to complex tax returns for different clients such as individuals and small businesses
- Analyzed client's financial documents to prepare yearly tax projection reports for clients
- Reviewed client's financial records such as income statements and documentation of expenditures
- Provided consultation on potential tax liabilities and ensured clients did not pay unnecessary taxes

### ACADEMIC PROJECTS

#### **Dutch Bros. Positioning Project**

- Designed questionnaires to collect data and understood the preference of coffee consumers in Bay Area
- Conducted positioning analysis to differentiate Dutch Bros with its competitors in the market
- Analyzed the positional map and developed marketing strategies for Dutch Bros.

#### **Real Estate Market in SF Bay Area Analysis Project**

- Used python to scrape 800 real estate listings from Zillow and Redfin official website
- Evaluated the data and compared monthly cost estimate of houses of different cities in SF Bay Area
- Analyzed the listings data and provided recommendations for first home buyer

#### **Stock Investment Portfolio Optimization Project**

- Developed a mixed-integer model to optimize the investment portfolio to maximize client's future returns by Excel Solver
- Utilized Google Finance API to pull data from specific time range and get the average price of stocks
- Conducted two-way analysis to evaluate the correlation of different factors and provide investment recommendations to client