

# LOUIS YANSAUD

San Francisco, CA · (530) 400-1155 · louistaylor91@gmail.com · louisiansaud.netlify.com

## EDUCATION

**University of Southern California, Marshall School of Business** – Los Angeles, CA **Dec 2018**  
*Master of Science, Business Analytics. GPA: 3.85*

**University of California, Davis** – Davis, CA **March 2015**  
*Bachelor of Art, Economics minor in Statistics*  
**Honors:** The International Honor Society in Economics, Omicron Delta Epsilon

## BUSINESS EXPERIENCE

**Happy Money** – Costa Mesa, CA **2018**  
*Data Science Summer Intern*

- Wrote SQL queries to extract data from analytics warehouse and analyze data from various sources (Product, Marketing and Risk)
- Performed predictive analytics and visualized results by building web-based applications through R Shiny while providing real time portfolio performance monitoring

**Funding Circle** – San Francisco, CA **2016 – 2017**  
*Quality Analyst*

- Performed comprehensive quality control audit to determine if the loan met investor guidelines
- Analyzed audit results and prepared data visualization for presentations to ensure operational efficiency, reducing processing errors to 4%

**Callan Associates** – San Francisco, CA **2015 – 2016**  
*Investment Analyst*

- Interacted with clients and consultants to provide over 10 performance reports monthly and quarterly
- Calculated and generated portfolio analysis using descriptive statistics

## ANALYTICS PROJECTS

### Supervised Machine Learning Project from Titanic Disaster (Kaggle)

- Using R, analyzed two datasets to predict the fate of the passengers aboard the RMS Titanic
- Presented on analytical results and machine learning selected tools used to predict survivors

### Unsupervised Machine Learning Project from Fraud Analytics (USC)

- Using R and Tableau, analyzed the 2011 New York Property data to detect abnormality and potential fraud in the dataset
- Featured analysis methods include dimensionality reduction through Principal Component Analysis and fraud score calculation using Heuristic Algorithm

## SKILLS

**Programming:** Data cleaning (R: dplyr, stringr, knitr, tidyr, Python: numpy, pandas), web scraping (R: rvest), Big Data (R: caret, h2o, SparkR), web-based applications (R: shiny)

**Visualization:** Capture trends, (R: ggplot2, plotly, Python: matplotlib), spatial visualization (R: ggmap)

**Data Tool:** R, Python, MySQL, NoSQL (MongoDB), Excel, SAS

**Dashboard:** Tableau, R: Shiny, Salesforce, Bloomberg, Looker, SAP

**Modeling:** Supervised learning methods (linear regression, logistic regression, decision trees, random forests, SVM), unsupervised learning methods (PCA, K-means, autoencoder)

**Specialization:** Machine learning, Marketing analytics, Fraud analytics, Time-series analysis

**Language:** English, French, Intermediate Spanish

**Leadership:** Coaching and improving subordinate's skillsets (Funding Circle: effective mentor)

## CERTIFICATION

**Data Analyst with R (DataCamp)**  
**Data Scientist with R (DataCamp)**