LOUIS YANSAUD

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EDUCATION

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

University of California, Davis – Davis, CA   **March 2015**
Bachelor of Art, Economics **Minor**: *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 performed deep and continuous exploration of high-volume data from various sources (Product, Marketing and Risk)
- Applied predictive analytics and visualized results by building web-based applications through R Shiny and 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, h20, 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)