

Sam Ko

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Education

University of Southern California

M.S. in Business Analytics (STEM),
Dept. of Data Sciences and Operations

GPA: 3.93

Expected Graduation:

Dec 2020

University of Notre Dame

Major: Information Technology
Management

Concentration: Business Analytics

Minor: PPE (Philosophy, Political
Science, Economics)

GPA: 3.73

Graduation: May 2018

Tools

- SQL
- Python
- R
- Tableau, Power BI
- Excel VBA
- Microsoft Office

Skills & Knowledge

- Data Querying and Cleaning
- Data Analysis involving Time Series, Experimentation, KPI, etc.
- Statistics, Probability
- AB Testing
- Customer Segmentation
- Data Visualization, Dashboard
- ML Model Building using scikit-learn

Languages

Native or bilingual proficiency in:

- English
- Korean

Professional Experiences

Los Angeles Clippers - Los Angeles, CA

Sept. 2020 - Current

Business Insights Intern at Ticket Strategy & Analytics

- Analyzed the purchase patterns and demography of over 200,000 customers of the last 3 seasons to create segmentation using clustering methods/decision tree and identify the customers with the highest chance of purchasing next season tickets
- Evaluated the initial ticket prices against the 3rd party resale ticket prices to recommend the more accurate valuation of tickets based on the visiting teams and seating location for the next season

Videojet Technologies Inc. - Chicago, IL

Jun. - Aug. 2020

Data Science Intern

- Imported product, customer, interaction, transaction, and other data from the database using SQL queries and segmented all the customer sites into 6 distinct archetypes through k-means clustering algorithm with the scikit-learn package
- Predicted churn for each clusters of customers by identifying triggers/irritants and analyzing how certain actions of the customers within the consumption journey impact the business and future consumption behavior

Deloitte & Touche LLP - San Jose, CA

Jul. 2018 - Jun. 2019

Consultant

- Analyzed queries and codes through interactions with developers, data scientists, and system owners to understand how the integration of IT with the business flow
- Alleviated IT risks for 4 clients of technology and financial services industries by performing more than 150 IT controls for applications, databases, and networks as part of the Sarbanes-Oxley (SOX) compliance

Republic of Korea Army - Nonsan, Korea

Aug. 2013 - May 2015

Drill Sergeant at Korea Army Training Center

- Led over 2,400 trainees through the 4-week Initial Entry Training by instructing essential technical/behavioral skills
- Received the medal of excellence for leading the platoon with the most improvement, collecting the best feedbacks, and serving as the company leader to represent other drill sergeants to communicate with the upper-class officers

Projects

Project Coronavirus in LA County

Mar. - Aug. 2020

GRMDS (Global Association for Research Methods and Data Science)

Data Analyst Volunteer Lead

- Led the Analytics volunteer team within the project creating dashboard and alert system for the spread of COVID-19 in the L.A. County to put together functions that pull data from MongoDB database and perform data analysis to increase the reproducibility and transparency of the analytical workflow

Thread Together NLP Project

Mar. - Apr. 2020

- Created a tagging model that predicts the desired characteristics of a clothing, such as fit, based on the description, brand, and other features of the clothes by training from the extracted information of more than 100,000 rows of data
- Built a model that recommends the outfit combination that fits well with the inputted outfit based on its similarity with the rest of the items