

Sam (Dong Wook) Ko

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Education

University of Southern California

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

Expected Graduation:

December 2020

University of Notre Dame

Major: Information Technology
Management

Concentration: Business Analytics

Minor: PPE (Philosophy, Political
Science, Economics)

GPA: 3.73

Graduation: May 2018

Skills

- SQL
- Python
- R
- Tableau
- SAS
- Excel VBA
- Microsoft Office

Courses

- Statistical Computing and Data Visualization
- SQL Databases for Business Analysts
- Advanced Database Management
- Predictive Analytics
- Data Analysis with Python
- Quantitative Decision Modeling

Languages

Native or bilingual proficiency in:

- English
- Korean

Professional Experiences

Deloitte & Touche LLP - San Jose, CA

July 2018 - June 2019

Consultant

- Analyzed SQL queries and other codes through daily interactions with developers, data analysts, and system owners to gain knowledge of how IT systems are integrated within the business flow and to ensure the completeness and accuracy of source data
- Alleviated IT risks for 4 clients from technology and financial services industries by performing more than 150 IT controls on access management, change management, and other operations involving applications, databases, and networks as part of the Sarbanes-Oxley (SOX) compliance

EY LLP - San Francisco, CA

June 2017 - Aug. 2017

Summer Intern

- Performed in 3 different teams for tax related engagements, including initiation of a new workbook, compliance, and returns for corporations and partnerships of different sizes from technology, real estate, and international companies

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

Activities

Centro.io Real Estate Analytics Project - Los Angeles, CA

Oct. 2019 - Present

Project Member

- Utilizing Python to analyze the property and sales data for over 100 apartment complexes across 4 states and to develop an automated valuation model
- Developing insights into the rent and sales prices of the properties by using regression, classification, and other techniques through sklearn for over 20 variables

McCloskey Business Plan Competition - Notre Dame, IN

Oct. 2017 - Feb. 2018

Co-Founder of "Good Luck"

- Devised a nonprofit startup idea that encourages donation through the platform for the public, influential figures, and charities; A winner is randomly drawn among the donators, with winning probability proportional to the donation amount, for the priceless, intangible prize offered by the "host" influential figure

Hesburgh Library Study Space Project - Notre Dame, IN

Aug. 2017 - Dec. 2017

Student Project Manager

- Analyzed the data collected by the door sensors that counts the student traffic level at the test area (basement study space) using SQL by considering technical and psychological factors and devising potential implementation
- Evaluated implementable IT solutions to provide a monitor/notification system for students looking for study spaces in the library that is user-friendly and easily applicable to different areas with the university academic technology specialists and renovation officers