Lee Kho

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EDUCATION

New York University | New York, NY   Expected May 2021

Two-year intensive M.S. in Data Science program, culminating in a semester-long capstone project in collaboration with industry partners or NYU research labs. Core curriculum of the program includes machine learning, big data, natural language processing, and deep learning.

- GPA (as of Spring 2020): 3.9

Cornell University | Ithaca, NY   May 2015

B.A. in Mathematics (concentration in Operations Research), with a minor degree in Business.

- GPA: 3.7

RELEVANT PROJECTS

One Medical Passport Predictive Sleep Apnea Analysis   Fall 2020

Capstone project for M.S. in Data Science

- Collaborated with healthcare SaaS company One Medical Passport to reassess standard obstructive sleep apnea (OSA) predictors and determine other potential predictors using the company's database of over 10M unique patient records
- Used supervised machine learning methods (random forest, logistic regression) as well as unsupervised methods (k-modes clustering) with an imbalanced categorical dataset to extract feature importance weights with the goal of producing an improved OSA screening assessment

Study of Sparse Principal Component Analysis (PCA) Methods   Spring 2020

Final project for Math Tools for Data Science

- Implemented several popular sparse PCA techniques including SCoT, SCoTLASS, and SPCA in Python using Numpy, Scikit-learn, and Scipy libraries, visualized results using Matplotlib and assessed the benefits and drawbacks of each method on medical dataset

Goodreads Recommender System   Spring 2020

Final project for Big Data

- Built a book recommender system using the PySpark Alternating Least Squares (ALS) algorithm and evaluated our model based on RMSE, precision at k, NDCG at k, and MAP

SKILLS

Python, Matplotlib, Numpy, Scikit-learn, SQL, Pytorch, Apache Hadoop/Spark, Javascript, HTML/CSS

RELEVANT WORK EXPERIENCE

FW Cook | New York, NY   July 2015 – May 2018
Executive Compensation Consultant

FW Cook is an independent executive compensation consulting firm, advising over 25% of S&P 500 companies.

- Provided executive compensation advisory to public, private, and pre-IPO clients across a diverse set of industries
- Performed research using public filings and conducted analyses on executive and director pay, short- and long-term incentive programs, equity plans, and other compensation-related topics
- Developed customized compensation plans to align executive and stakeholder incentives, and achieve pre-established company goals

Deloitte Singapore | Singapore   June 2014 – August 2014
Data Analytics Intern

- Supported live projects related to fraud detection for international banking clients
- Performed data cleansing and analysis on bank transaction data in Excel and SQL with the goal of flagging potentially fraudulent activity and visualized findings using QlikView