Lee Kho

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EDUCATION

New York University | New York, NY Expected May 2021

- M.S. in Data Science
- GPA (as of Spring 2020): 3.9

Relevant Courses

- Optimization & Computational Linear Algebra
- Probability & Statistics
- Introduction to Data Science
- Machine Learning
- Big Data
- Mathematical Tools for Data Science

Cornell University | Ithaca, NY May 2015

- B.A. in Mathematics (concentration in Operations Research), minor in Business
- GPA: 3.7

Relevant Courses

- Multivariable Calculus
- Differential Equations
- Game Theory
- Optimization
- Finance
- Microeconomics

SKILLS

- Python
- SQL
- Matplotlib
- Apache Hadoop/Spark
- JavaScript
- HTML/CSS

RELEVANT WORK EXPERIENCE

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

Executive Compensation Consultant

FW Cook is a market-leading independent executive compensation consulting firm, serving as advisor to over one-quarter of S&P 500 company boards

- Provided executive compensation advice to public, private, and pre-IPO clients across a diverse set of industries; developed customized compensation plans to align executive and stakeholder incentives, achieve pre-established company goals, and maximize value creation
- Performed data-driven analyses on executive and director pay, short- and long-term incentive programs, equity plans, financial performance, and other compensation-related topics

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

RELEVANT PROJECTS

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 data set

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

Twitter Keyword Network Graph Visualization Summer 2020

Personal data visualization project involving keyword clustering and network graph design

- Built keyword network graphs for NYC-based tweets related to the George Floyd protests using Python and the D3 JavaScript visualization library