

# Sukyung Seo

917-420-4968 | ss13969@nyu.edu | <https://www.linkedin.com/in/skseo1229> | <https://github.com/skseo941229>

## SKILLS

**Programing Languages:** Python, C++, SQL, Solidity, R, Java, HTML, CSS, Javascript, Shell

**Packages & Tools:** Power BI, Tableau, Scikit-learn, Hadoop, Hive, HBase, Kubernetes, Pandas, Numpy, Dash, Flask, Docker, AWS, Django, Tensorflow, PyTorch, matplotlib, Airflow, NoSQL

## PROFESSIONAL EXPERIENCE

**KISS Products Inc.**, Port Washington, NY, USA

FEB 2023 – PRESENT

*Assistant Manager, Data Analyst/Data Engineering*

- Optimize inventory cost of supply chain by forecasting demand for cosmetic products using MS-SQL and Python ML models.
- Track sales KPIs and current trends for the sales team by creating and managing Power BI dashboards.
- Optimize marketing strategies by creating weekly sales and trend dashboards delivered to the sales team with 100+ people.
- Reduce human errors and reporting time by automating sales team reporting systems using SQL and Python.
- Develop and maintain data pipelines using ETL processes and detect anomalies in data.

**Nokia Bell-labs**, Murray Hill, NJ, USA

JUN 2022 – AUG 2022

*Software System Research Intern*

- Improved fair and equitable system in auction by developing a progressive decentralized sealed bid auction system using Solidity and cryptography schemes.
- Developed research concept for accelerating ML model implementation by designing GPU utilization network with Cosmos-SDK.

**KT (Korea Telecom)**, Cloud Transformation Team, Seoul, Korea

JUN 2021 – AUG 2021

*Software Engineer Intern*

- Led a team of ten interns and built a ‘Smart Moving CCTV for Pets’ using OpenCV and presented an AI innovation award.
- Identified a 10% cost savings by constructing a cloud resource management web dashboard using diverse Python libraries.

**Daewoong Pharmaceutical**, IT Operation Team, Seoul, Korea

APR 2021 – JUN 2021

*Software Engineer Intern*

- Implemented novel drug indication recommendation system using predictive modeling through Scikit-learn.
- Evaluated efficacy of drug combinations by analyzing Korean hospitals dataset using SQL and collaborating with scientists.

**Gachon University**, Data Mining & Bioinformatics Laboratory, Gyeonggi, Korea

MAR 2016 – SEPT 2020

*Bioinformatics Software Engineer and Researcher*

- Built a novel side effect discovery system by analyzing large amounts of data and adopting ML algorithms.
- Published [3 papers in international journals \(JIF: 3.41, 0.67, 6.32\)](#) and [2 papers](#) in domestic journals.
- Mentored 40+ undergraduate students and worked as TA in discrete mathematics courses.

## EDUCATION

**Correlation One Data Engineering (Bootcamp)**

AUG 2023

- Financeable Evaluation of PPP Loans on the Balance sheet of the Lenders

**New York University** *Master of Science in Computer Science*

DEC 2022

- GPA: 3.41/4.5

**Gachon University** *Bachelor of Engineering (BEng) in Computer Engineering*

FEB 2018

- GPA: 3.98/4.5 (91.48/100); Top 10 percent of class (14/192); Received Merit-based, Honors Laboratory, Academic Scholarships

## PROJECTS

- Prediction & Visualization of Hypertension using National Healthcare Insurance Claims Dataset using Scikit-learn, Keras, and Tableau
- Implementation of dominant resource fairness algorithm using Kubernetes and Docker
- Modes of Transportation and Air Quality: Hadoop, Hive, and Hbase Analysis

## CERTIFICATION

- Probability Theory for Financial Applications, Distinction

DEC 2023