

Hyun Suk Lee

Data Scientist | Artificial Intelligence | Developer
Bishopbriggs, Glasgow, UK (Relocatable)

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Visa : Student → PSW (**Do not require Visa sponsorship**) **Portfolio :** [Link \(nockda.github.io\)](https://nockda.github.io)

Language : Korean(Native), English(Fluent), Vietnamese(Fluent)

Summary

Multidisciplinary MSc holder in Data Science with extensive experience in software development and system integration projects. I'm seeking a challenging role in data science to utilise my skills in Data Science and Data Engineering to drive business outcomes. Specialises in data-driven decision-making through data analysis, including Deep learning and Machine learning methods, and skilled in programming languages. Highly effective liaison between business, and technicians, with a unique ability to bridge technical and business requirements to develop innovative solutions.

Skills and Techniques

- **Program Language:** Python, Java, SQL, C#, JavaScript
- **Frameworks & Library:** Hadoop, Spark, TensorFlow, PyTorch, Django, NumPy, Pandas, Re, Spacy, NLTK, Scikit-learn, Matplotlib.
- **Tool:** Hugging Face, Azure, Jupyter Notebook, Git, CI/CD

Work Experience

M.I. cube solution - Mid-level Developer | Seoul, Korea **Sep.2021 - July.2022**

Using Skills: Java, C#, Python, JavaScript, Mssql, .Net, Kafka, CI/CD, Git, SVM, Jira

Cryo pump Manufacturing Company

- As a primary consultant, I led a project to enhance the system and improve user convenience.
- Successfully secured re-contracting by maintaining continuous communication with the client and providing weekly reports, resulting in the successful renewal of a £120,000 contract.

Microbiome Manufacturing Company

- Developed the company's first manufacturing execution system by analysing and systematising previous work processes.

Taekwang - Project manager | HCMC, Vietnam **Jun.2016 - Aug.2020**

- Designed and developed SCM algorithms for long-term (6 months), mid-term (2 weeks), and short-term (1 day) planning based on the regression model. Resulted in a 180% improvement in productivity.
- I developed a data visualisation system that generates real-time, daily, weekly, and monthly reports for managerial decision-making. The system presents dynamic graphs and charts to replace static reports.
- I trained the Taskforce super-users on new SCM algorithms and MES system through daily sessions. The super-users rolled out the system to 20,000 users, resulting in successful adoption with a 180% improvement in production rates, and a 20% reduction in lead time.

Education

University of Glasgow

Sep.2022 - Expected Aug.2023

- Master of Data Science
 - ✎ Machine Learning & Artificial Intelligence, Deep Learning, Big data
 - ✎ Information Retrieval, Text as Data
 - ✎ Information Visualisation, Cryptography and Secure Development

Korea Open National University

Sep.2020 - Aug.2022

- Computer Science, Bachelor of Science
- Honor Scholarship (2021 – 2022)

Ajou University

Mar.2013 - Aug.2015

- Bachelor of Business Administration

Seoul Institute of The Arts

Mar.2009 - Dec.2011

- Major in Film. (Transferred to Ajou)

Project

1. Batch-based Text Search and Filtering Pipeline using Apache Spark

- The pipeline refines the original JSON file and ranks documents based on the DPH scoring model paralleled.
- Processing 5.3Gb full dataset in 53sec. This record is in the top 10% of the total group.

2. Identification of Different Types of Cell Nuclei in Cancer

- Understanding Model Performance and Feature Interpretation using Captum
- Using language and Tools : Python, Numpy, Pandas, PyTorch, Sklearn, Ray Tune, Captum, Matplotlib

3. Airbnb replication project

- Full-stack coding. Building Airbnb service with Django, Rest API and React.
- It covers the backend and frontend components, including app functionalities and their interaction.

Certification

- TensorFlow Developer Certification
- SQLD (SQL Developer) from K-Data(national certification)
- ADsP (Advanced Data Analytics Semi-Professional) from K-Data (national certification)

Other Training

Big data Analysis by using Python and R

Oct.2020 - Mar.2021

- Thejoeun Computer academy
- Graduated with Top honours

GYBM (Global Young Business Manager)

Jul.2015 - Jun.2016

- Training in leadership and cross-cultural management
- Daewoo World Business Research Scholarship