

# Yosuke(Daniel) Kawazoe

AI ENGINEER · DATA SCIENTIST

1602 Sky View Tower 12 High St London United Kingdom E15 2GT

☎ (+44)7789-282643 | ✉ kawazoe.yosuke@gmail.com | 🏠 yosukeportfolio.streamlit.app/ | 📱 Yosuke0805 | 📠 yosuke-kawazoe-8782b218b

## Work Experience

### Cognizant Worldwide Limited

London, United Kingdom

AI ENGINEER

Feb. 2025 - Current

- Delivered scalable AI-powered automation solutions on Google Cloud using Gemini, reducing client manual workload across multimillion-dollar projects, while mentoring a junior and collaborating with stakeholders.

### Nomura Research Institute, Ltd.

Tokyo, Japan

DATA SCIENTIST

Apr. 2022 - July. 2024

- Enhanced meeting documentation efficiency by reducing manual efforts by 85% for the client, achieved through the development of an automated python application using the Gemini and Streamlit.
- Improved internal corporate department employee search efficiency by developing and deploying an internal search application on a custom-built on-premise infrastructure, building web, application, and database servers.
- Boosted internal operational efficiency and cut deployment time by creating a CI/CD pipeline and aggregating artifacts on Code commit, Cloud Repository, and BitBucket to internal GitLab, thereby strengthening governance.
- Increased customer segmentation accuracy by over 15% compared to the previous method combining marketing analysis methods and clustering analysis with ID-POS data for retail clients, visualizing the result of analysis by creating a dashboard application. Demonstrated creating individual customer characteristic tags with cutting-edge technologies like GPT, RAG, and AI Agent with LangChain.
- Reduced the time of product planning relevance by 90% at most for a retail client by developing a solution to create merchandise tags with GPT by leveraging NLP techniques such as Semantic Analysis and prompt engineering techniques with Twitter data.
- Reduced inventory costs by 40% for a retail client by developing demand forecasting AI model, similarity and anomaly detection algorithms, leveraging techniques like BERT, and interpretable machine learning with ID-POS data.

### Total Materia

Belgrade, Serbia

DATA SCIENTIST

Aug. 2021 - Nov. 2021

- Surpassed Google's AI Platform benchmark accuracy by implementing advanced machine learning models (XGBoost, Random Forest, TabNet) and boosted tool adoption by 80% through a Tkinter-based GUI that enabled non-programmers to leverage ML model.

## Education

### Tokyo Metropolitan University

Tokyo, Japan

BACHELOR, MASTER OF SCIENCE IN GEOGRAPHY (SPECIALIZATION IN GEOGRAPHICAL INFORMATION SCIENCE / GIS)

Apr. 2015 - Mar. 2022

- Wrote master thesis called "A quantitative study for capturing the town's atmosphere by utilizing Convolutional Neural Network: A case study of Shimokitazawa"

## Qualification

Jun. 2024 **Google Cloud Professional Machine Learning Engineer, Data Engineer**, Certified by Google Cloud

Tokyo, Japan

Feb. 2024 **JDLA Deep Learning for ENGINEER, GENERAL**, Certified by Japan Deep Learning Association

Tokyo, Japan

Jun. 2023 **Applied Information Technology Engineer Examination**, Certified by Ministry of Economy, Trade and Industry

Tokyo, Japan

Jan. 2021 **Japan Statistical Society Certificate Grade 2**, Certified by The Japan Statistical Society

Tokyo, Japan

## Technical Skills

### Speciality

AI Application, LLM, LLM Application, Generative AI, RAG, AI Agent, Prompt Engineering, Data Science, Machine learning, Deep learning, Big data Analysis, Explainable AI (XAI), Natural Language Processing, Image Recognition, Time Series Analysis, Demand Prediction, Anomaly Detection, Recommendation System, Geographic Information System, Statistics, Statistical Analysis, Web Scraping, Data engineering, System Engineering, Software Engineering, Cloud Infrastructure, CI/CD, Testing, MLOps

### Programming

Python, SQL, R, Java, HTML/CSS, JavaScript(TypeScript, Node.js), Shell Script

### Frameworks

Streamlit, Django, Flask, Pytorch, Tensorflow, scikit-learn, openAI, google-generativeai, LangChain, Hugging Face, Transformers, geopandas, folium, BeautifulSoup, pandas, numpy, matplotlib, Tkinter, Spring Framework, and so on.

### Development Tools

Docker, Kubernetes, Git, Jira, VS Code, PyCharm

### BI tools

Looker studio, Tableau, Power BI

### Cloud

Google Cloud, AWS, Azure

### OS

Windows, Linux, Ubuntu, CentOS