

JaeHo Bahng

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Leverage data to effectively solve the most challenging problems in the business, using whatever means necessary

EDUCATION

Georgetown University, Master of Science in Data Science and Analytics **Washington, DC**

Graduate School of Arts and Sciences [Cumulative GPA : 4.0] *May 2025*

- Relevant Coursework: Advanced NLP, Deep Learning, ML App Deployment, Cloud Computing | Data Science Scholarship Recipient
- Data Science Teaching Assistant (Deep Learning/Summer Bootcamp) : Revamp/grade assignments and support student learning.

Sogang University, Bachelor of Economics **Seoul, Korea**

School of Economics, Minor: Politics/Philosophy *January 2019*

- Relevant Coursework : Econometrics, Statistics for economics | Awards and Honors: Deans List[2018]

WORK EXPERIENCE

Tractor Supply Company [Retail] **Brentwood, Tennessee**

Data Scientist Intern *May 2024 – Present*

- Developing predictive models to forecast online sales to minimize sales loss, and to ensure optimal inventory levels.
- Constructed digital department's top-viewed sales/inventory dashboard using Power BI for efficient decision-making.
- Utilized Collibra to improve web product data quality by inspecting content sync between PIM, SAP, WCS system.
- Developed ETL process to support data warehouse and reporting requirements for dashboards.

LG Fashion [Fashion Retail] **Seoul, Korea**

Data Analyst *January 2021 – May 2023*

- Analyzed eCommerce platform sales, inventory, customer, cost, PL statements, defined KPIs to enhance performance.
- Utilized Tableau to build 50+ dashboards to monitor KPI performance and reduce data extraction requests by 55%
- Conducted data mining to discover insight on excessive promotion by sales team to improve profit margin by 0.4%p
- In-house instructor for Tableau, SAP BW, SQL, Microsoft Excel to enhance individual abilities from all departments
- Led membership analysis/renewal project to enhance Lfmall customer retention rate by 1.9%p and reduce cost.

Sales Analyst *January 2019 – December 2020*

- Operated menswear/accessory brands manufactured by LG Fashion conducting product analytics and A/B testing.
- Developed robust application notification campaigns based on customer log data improving sales volume by 11.5%
- Planned PA/SA marketing strategies Increased CTR by 0.6%p and maintained minimum 900% ROAS rates.

Massive Data Institute **Washington, DC**

Data Science Research Assistant *January 2024 – May 2025*

- Engineered metadata from web-scraped data, capturing key features and unique identifiers for streamlined analysis.
- Implemented a PostgreSQL database on Google Cloud Platform for synchronized, accessible data for team members.

PROJECTS

- **Premier League match prediction** [\[Click here\]](#): Created a website to implement and compare machine learning algorithms [random forest, naïve bayes, decision trees], clustering techniques [K-means, DBSCAN], and dimensionality reduction to predict past premier league match results based on online game player stats with an F-1 score of 0.6.
- **Toxic Comment Classification** [\[Click here\]](#): Engineered a toxic comment classification model with a 96% accuracy and F1 score of 0.8 by utilizing an LSTM model, hyper-parameter tuning, and optimizing thresholds.

TECHNICAL SKILLS

Languages: Python, R, SQL, HTML, CSS

Machine Learning: numpy, pandas, scikit-learn, matplotlib, seaborn, Keras, Pytorch, Tensorflow, CNN, RNN, LSTM, GRU, GAN, GNN, transformers, scikit-learn, regularization, NLP, scipy

Tools: Power BI, Tableau, Git, Terminal, Excel, MongoDB, PostgreSQL, Oracle, Snowflake, Google Cloud Platform, AWS, Docker, Amplitude

Statistics: Hypothesis testing, experimental design, A/B testing, regression

ADDITIONAL INFORMATION

Languages: Native/bilingual proficiency in English and Korean, Intermediate in Mandarin(Chinese)