Jaeyoung Choi

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Education

Sungkyunkwan University, Seoul, South Korea Mar 2016–Aug 2021
GPA: 3.90/4.50

Bachelor of Arts in Library and Information Science (GPA: 3.93/4.50)

Bachelor of Science in Data Analytics (GPA: 4.29/4.50)

Indiana University, Bloomington, IN Aug 2019–Dec 2020
GPA: 4.00/4.00

Exchange Student in Informatics

Publications

- **Jaeyoung Choi**, Chaeeun Han, Heeyoon Yang, Yeonkyoung Hong, Seoyoung Jeon and Yongjun Zhu. 2021. Embedding-based Neural Network Models for Book Recommendation in University Libraries in *Workshop on AI + Informetrics* (AII2021, 2021)
- **Jaeyoung Choi**, Heeyoon Yang, Hayoung Oh. 2020. Store Sales Prediction Using Gradient Boosting Models in *Journal of the Korea Institute of Information and Communication Engineering* (JKIICE, 2020)

Professional Experience

Research & Development Intern *Data Marketing Korea, Seoul, South Korea* Jan 2021–Mar 2021

- Developed and implemented BERT for classification of social buzz data, improving 15% in performance

Teaching Experience

GCO 2002-Introduction to Artificial Intelligence *Teaching Assistant* Fall 2020

- Computing and Informatics, Sungkyunkwan University, Seoul, South Korea

Projects

Recommendation System for Sungkyunkwan University Library | *Python* Oct 2020–Mar 2021

- Composed library book recommendation system that uses embedding based neural network models
- Utilized book metadata and user information through embeddings created through RoBERTa and Efficientnet
- Probed the recommendation system by giving student interviews

Store Sales Prediction Using Gradient Boosting Models | *Python* Jun 2020–Dec 2020

- Handled machine learning algorithms and missing data processing methods to store sales data
- Computed gradient boosting machine learning algorithms: XGBoost, LightGBM, CatBoost to predict future sales

Prediction of Seoul Public Bike Usage | *Python, R* Mar 2019–Jul 2019

- Problem solved predictions for public bike stations in Seoul on a daily basis
- Programmed prediction models of statistical analysis, machine learning and neural networks with entity embedding

Factor Analysis of Juvenile delinquent | *R* Sep 2018–Dec 2018

- Handled data from surveys provided by Korean Children and Youth Panel Survey(KCYPS)
- Processed survival analysis to determine correlated factors for adolescents' first runaway

Honors and Awards

Co-deep Learning Project 3rd Place, *Sungkyunkwan University, Seoul, South Korea* Feb 2021

Data Creator Camp Hackathon 3rd Place, *National Information Society Agency, Seoul, South Korea* Oct 2020

Skills

Programming: Python, R, SQL, HTML, Qgis
Language: English(Fluent), Korean(Navtive)