Jaeyoung Choi

+82(10)8220-9061 | cjengy@gmail.com | https://jaeyoung-jane-choi.github.io

EDUCATION

Sungkyunkwan University, Seoul, South Korea Mar 2016–Aug 2021
Bachelor of Arts in Library and Information Science (GPA: 3.93/4.50) ***GPA: 3.90/4.50***
Bachelor of Science in Data Analytics (GPA: 4.29/4.50)

Indiana University, Bloomington, IN Aug 2019–Dec 2020
Exchange Student in Informatics ***GPA: 4.00/4.00***

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)

INTERNSHIPS

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

Introduction to Artificial Intelligence *Teaching Assistant* Sep 2020–Dec 2020
- GCO-2002 Introduction to Artificial Intelligence in Computing and Informatics, Sungkyunkwan University

PROJECTS

Recommendation System for Sungkyunkwan University Library | *Python* Oct 2020–Mar 2021
- Proposed a 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* June 2020–Dec 2020
- Employed machine learning algorithms and missing data processing methods to store sales data
- Applied gradient boosting machine learning algorithms: XGBoost, LightGBM, CatBoost to predict future sales

Analysis of Seoul Public Bike Usage | *Python, R* Mar 2019–July 2019
- Administrated digital strategy to help understand predictions for public bike stations in Seoul on a daily basis
- Researched variables and enriched it by centrality and index creation
- Suggested prediction models of statistical analysis, machine learning and neural networks with entity embedding

Factor Analysis of Juvenile delinquent | *R* Sep 2018–Dec 2018
- Retrieved relevant data from surveys provided by Korean Children and Youth Panel Survey(KCYPS)
- Conducted survival analysis to determine correlated factors for adolescents' first runaway

AWARDS AND ACHIEVEMENTS

2020 Co-deep Learning Project | *3rd Place* Feb 2021
- Sungkyunkwan University, Seoul, South Korea

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

SKILLS

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