

Seoyoung Hong

PERSONAL DATA

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RESEARCH INTERESTS

- **ML / DL**
 - ✓ Recommender Systems
 - ✓ Prediction-based Optimization
 - ✓ Neural Differential Equations
- **Data Science**
 - ✓ Data Analysis

EDUCATION

Sep. 2021 - Present	Yonsei University Department of Artificial Intelligence M.S. in Artificial Intelligence	Seoul, Korea
Mar. 2016 - Feb. 2021	Kyunghee University Department of Business Administration B.S. in Business Administration Department of Software Convergence (Data Science Track) B.S. in Software Convergence GPA 3.92 / 4.5	Seoul, Korea Yongin, Korea
Jan. 2018 - Apr. 2018	University of Leicester Exchange Student	Leicester, UK

PUBLICATIONS

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| Oct. 2022 | BigData 2022
Seoyoung Hong, Minju Jo, Seungju Kook, Jaeun Jung, Hyowon Wi, and Noseong Park, "TimeKit: A Time-series Forecasting-based Upgrade Kit for Collaborative Filtering," <i>2022 IEEE International Conference on Big Data (BigData)</i> , 2022 |
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Aug. 2022	CIKM 2022 Seoyoung Hong , Heejoo Shin, Jeongwhan Choi, and Noseong Park, “Prediction-based One-shot Dynamic Parking Pricing,” <i>Proceedings of the 31st ACM International Conference on Information & Knowledge Management</i> , 2022 [Link]
Sep. 2021	ICDM 2021 Sheoyon Jhin, Heejoo Shin, Seoyoung Hong , and Noseong Park, “Attentive neural controlled differential equations for time-series classification and forecasting,” <i>2021 IEEE International Conference on Data Mining (ICDM)</i> , 2021 [Link]
May. 2021	KDD 2021 Duanshun Li, Jing Liu, Jinsung Jeon, Seoyoung Hong , Thai Le, Dongwon Lee, and Noseong Park, “Large-Scale Data-Driven Airline Market Influence Maximization,” <i>Proceedings of the 27th ACM SIGKDD Conference on Knowledge Discovery & Data Mining (KDD)</i> , 2021 [Link]
Dec. 2020	KSC 2020 Seoyoung Hong , Midan Shim, and Daeho Lee, “Spelling Correction System for Korean Internet Language Using Transformer Model,” <i>Proceedings of the Korea Software Congress (KSC)</i> , 2020 [Link]

AWARDS

Feb. 2021	Korea Software Congress 2020 (KSC 2020) Junior Paper Awards , 4th Prize Hosted by the Korean Institute of Information Scientists and Engineers
Sep. 2020	Big Data Analysis Awards 2020 (Big Contest 2020) , 2nd Prize Hosted by the Korean National Information Society Agency

CERTIFICATIONS

Mar. 2021	TOEIC (945/990) Test of English for International Communication
Oct. 2020	SQLD Structured Query Language Developer

SKILLS

- **Python** / C++
- **PyTorch** / Tensorflow / Scikit-learn
- **SQL**
- **Pandas** / NumPy
- **Git**

EXPERIENCE

Oct. 2020 - Jan. 2021	Google Machine Learning Bootcamp
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