

Seoyoung Hong

PERSONAL DATA

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RESEARCH INTERESTS

- **Machine Learning / Deep Learning**
 - ✓ Recommender Systems
 - ✓ Predictive Modeling
 - ✓ Data Analysis

EDUCATION

Jan. 2023 - Present	Georgia Institute of Technology Visiting researcher in Computational Science & Engineering (Advisor: Prof. Srijan Kumar)	Atlanta, US
Sep. 2021 - Present	Yonsei University Department of Artificial Intelligence M.S. in Artificial Intelligence (Advisor: Prof. Noseong Park) GPA 4.34 / 4.5	Seoul, Korea
Mar. 2016 - Feb. 2021	Kyunghee University Department of Business Administration B.S. in Business Administration Department of Software (Data Science Track) B.S. in Software GPA 3.92 / 4.5	Seoul, Korea Yongin, Korea
Jan. 2018 - Apr. 2018	University of Leicester Exchange Student	Leicester, UK

PUBLICATIONS

Jul. 2023	ICML 2023 (TBD) Jeongwhan Choi, Seoyoung Hong , Noseong Park, and Sung-Bae Cho, “GREAD: Graph Neural Reaction-Diffusion Networks,” <i>International Conference on Machine Learning. PMLR, 2023</i>
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Jul. 2023	SIGIR 2023 (TBD) Jeongwhan Choi, Seoyoung Hong , Noseong Park, and Sung-Bae Cho, “Blurring-Sharpening Process Models for Collaborative Filtering,” <i>Proceedings of the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval</i> , 2023
Dec. 2022	IEEE BigData 2022 (Best Student Paper) Seoyoung Hong , Minju Jo, Seungju Kook, Jaeun Jung, Hyowon Wi, Noseong Park, and Sung-Bae Cho, “TimeKit: A Time-series Forecasting-based Upgrade Kit for Collaborative Filtering,” <i>2022 IEEE International Conference on Big Data (IEEE BigData)</i> , 2022 [Link]
Oct. 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]
Dec. 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]
Aug. 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

Dec. 2022	IEEE Bigdata 2022 Best Student Paper Award Hosted by Institute of Electrical and Electronics Engineers (IEEE)
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. 2023	OPIc (Advanced Mid) Test of English Speaking Proficiency
Oct. 2020	SQLD Structured Query Language Developer

SKILLS

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

EXPERIENCE

Oct. 2020 - **Google Machine Learning Bootcamp**
Jan. 2021