

Seoyoung Hong

PERSONAL DATA

- Birth: Jan 17th, 1998
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RESEARCH INTERESTS

- **Machine Learning / Data Science**
 - ✓ Recommender Systems
 - ✓ Data Analysis
 - ✓ Prediction-based Optimization
 - ✓ Neural Differential Equations

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 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

Oct. 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," 2022 <i>IEEE International Conference on Big Data (IEEE BigData)</i> , 2022 [Link]
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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

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