Seoyoung Hong

PERSONAL DATA

- Birth: 17th Jan, 1998
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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	Seoul, Korea
	Department of Software Convergence (Data Science Track) B.S. in Software Convergence GPA 3.92 / 4.5	Yongin, Korea
Jan. 2018 - Apr. 2018	**University of Leicester** Exchange Student	Leicester, UK

PUBLICATIONS

Oct. 2022	**IEEE BigData 2022** **Seoyoung Hong**, Minju Jo, Seungju Kook, Jaeeun Jung, Hyowon Wi, Noseong Park, and Sung-Bae Cho, "TimeKit: A Time-series Forecasting-based Upgrade Kit for Collaborative Filtering," *2022 IEEE International Conference on Big Data (IEEE BigData)*, 2022 [Link]

Aug. 2022	**CIKM 2022**
	Seoyoung Hong, Heejoo Shin, Jeongwhan Choi, and Noseong Park, "Prediction-based One-shot Dynamic Parking Pricing," *Proceedings of the 31st ACM International Conference on Information & Knowledge Management*, 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," *2021 IEEE International Conference on Data Mining (ICDM)*, 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," *Proceedings of the 27th ACM SIGKDD Conference on Knowledge Discovery & Data Mining (KDD)*, 2021 [Link]
Dec. 2020	**KSC 2020**
	Seoyoung Hong, Midan Shim, and Daeho Lee, "Spelling Correction System for Korean Internet Language Using Transformer Model," *Proceedings of the Korea Software Congress (KSC),* 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**