

Sumin Han

suminhan.github.io
github.com/SuminHan
[linkedin.com/in/sumin-han-cs](https://www.linkedin.com/in/sumin-han-cs)
hsm6911@kaist.ac.kr

EDUCATION

Korea Advanced Institute of Science and Technology

From March 2018

(Current) Pursuing Integrated Master and Ph.D.

Korea Advanced Institute of Science and Technology

February 2018

Bachelor of Science in Computer Science

PUBLICATIONS

INTERNATIONAL

- [1] Sumin Han, Youngjun Park, Minji Lee, Jisun An, and Dongman Lee. “Enhancing Spatiotemporal Traffic Prediction through Urban Human Activity Analysis”. In: *Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (CIKM '23)*. 2023.
- [2] Youngjun Park, Sumin Han, Jisun An, and Dongman Lee. “Encoding Urban Trajectory as a Sentence: Deep Learning Insights for Human Mobility Pattern”. In: *ACSP* (2023).
- [3] Sumin Han, Dasom Hong, and Dongman Lee. “Exploring commercial gentrification using Instagram data”. In: *2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*. IEEE. 2020, pp. 557–564.
- [4] Sumin Han, Kinam Park, and Dongman Lee. “Discovering Daily POI Exploitation Using LTE Cell Tower Access Traces in Urban Environment”. In: *International Conference on Social Informatics (SocInfo)*. Springer. 2020, pp. 81–94.
- [5] Dongmin Kim, Sumin Han, Heesuk Son, and Dongman Lee. “Human Activity Recognition Using Semi-supervised Multi-modal DEC for Instagram Data”. In: *Advances in Knowledge Discovery and Data Mining: 24th Pacific-Asia Conference, PAKDD 2020, Singapore, May 11–14, 2020, Proceedings, Part I 24*. Springer. 2020, pp. 869–880.

DOMESTIC

- [1] Thanh Long Cao, Sumin Han, and Dongman Lee. “Applying Scene Graphs for Improving Multi-modal Supervised Learning based Human Activity Recognition on Instagram Posts”. In: *한국정보과학회 학술발표논문집* (2022), pp. 855–857.
- [2] Changhui Kim, Sumin Han, and Dongman Lee. “Inference of Station-unit Placeness through a Subway Ridership Pattern”. In: *한국정보과학회 학술발표논문집* (2022), pp. 1794–1796.
- [3] Zofia Marciniak, Sumin Han, and Dongman Lee. “Understanding the impact of the Weather on Human Mobility via LTE Access Traces in Seoul Districts”. In: *한국 HCI 학회 학술대회* (2021), pp. 615–618.
- [4] 김수빈, 한수민, and 이동만. “서울시의 토지 이용에 따른 도로의 차량 속도의 상관관계 분석”. In: *한국정보과학회 학술발표논문집* (2021), pp. 119–121.
- [5] 안정미, 한수민, and 이동만. “인스타그램 데이터를 활용한 장소성 분석 및 시각화”. In: *한국 HCI 학회 학술대회* (2020), pp. 929–933.
- [6] 정종구, 한수민, and 이동만. “인스타그램에서 나타나는 인간 활동 패턴의 연간 변화 분석”. In: *한국 HCI 학회 학술대회* (2020), pp. 723–726.
- [7] 한수민 and 김명호. “베이지안 개인화 순위 방법 기반 대용량 이중 네트워크에서의 효율적인 랜덤 워크 순위 계산”. In: *2018 한국소프트웨어종합학술대회. 한국정보과학회*. 2018.

PROJECTS

DeepUrban | Urban data sharing platform, <https://deepurban.kaist.ac.kr> (2023)

Starlab 2019 | Self-Learning based Autonomic IoT Edge Computing (2019 ~ 2017)