

Guoyuan An

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🌐 <https://anguoyuan.github.io/>

Education

- 2020.09 – now 📖 **Ph.D. student in Computer Science, KAIST**
Advisor: *Sung-Eui Yoon*. Topic: Computer vision - Image search
- 2018.09 – 2020.09 📖 **M.Sc. in Computer Science, KAIST**
Advisor: *Myoung-Ho Kim*. Topic: Database - Recommender system
- 2014.09 – 2018.09 📖 **B.S. in Industrial Engineering, Inha University**
Minor in Software Engineering. Ranking: 1/108

Main Research Publications

- 1 **Guoyuan An**, Ju-hyeong Seon, Inkyu An, Yuchi Huo, and Sung-eui Yoon. “Topological RANSAC for Instance Verification and Retrieval without Fine-tuning”. In: *Thirty-Seventh Conference on Neural Information Processing Systems (NeurIPS)*. 2023.
- 2 **Guoyuan An**, Kim WooJae, Yang Salyne, Yuchi Huo, Li Rong, and Sung-eui Yoon. “Towards Content-based Segment Retrieval in Revisited Oxford and Paris”. In: *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*. 2023.
- 3 **Guoyuan An**, Yuchi Huo, and Sung-eui Yoon. “Hypergraph Propagation and Community Selection for Objects Retrieval”. In: *Thirty-Fifth Conference on Neural Information Processing Systems (NeurIPS)*. 2021.
- 4 **Guoyuan An**, Sung Eui Yoon, Jae Yoon Kim, Lin Wang, and Myoung Ho Kim. “GraphShop: Graph-based Approach for Shop-type Recommendation”. In: *Proceedings of the 2021 SIAM International Conference on Data Mining (SDM)*. SIAM. 2021, pp. 55–63.

Skills

- Languages 📖 Chinese (native speaker), English, Korean (TOPIK 6)
- Coding 📖 Currently fluent in Python. Used to be fluent in C, Java

Miscellaneous Experience

Awards and Achievements

- 2019 📖 **First Place** (award \$ 7500), INFORMS Student Competition, INFORMS, USA.
- 2015,16,17,18 📖 **Outstanding Engineering Student Prize**, Inha University, South Korea.

Activities

- 2014,15,16 📖 As a member in the benevolent house repairing club.
- 2019,20 📖 As the representative of the **KAIST Chinese Community**.