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

Research Publications

[1] **1** **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.

[2] **2** **Guoyuan An** et al. "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.

[3] **3** **Guoyuan An** and Sung-eui Yoon. "Hypergraph Propagation and Community Selection for Instance-level Retrieval". In: *The CVPR Workshop on Fine-Grained Visual Categorization (CVPRW)*. 2023.

[4] **4** **Guoyuan An** et al. "Topological RANSAC for Instance Verification and Retrieval without Fine-tuning". In: *Thirty-Seventh Conference on Neural Information Processing Systems (NeurIPS)*. 2023.

[5] **5** **Guoyuan An** et al. "Towards Content-based Segment Retrieval in Revisited Oxford and Paris". In: *Proceedings of the IEEE International Conference on Computer Vision (ICCV)*. 2023.

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**, INFORMS Student Competition, INFORMS.
2015,16,17,18	**Outstanding Engineering Student Prize**, Inha University.

Activities

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