Ryan Donghan Kwon

Curriculum Vitae

Hana Academy Seoul
535 Yeonseo-ro,
Eunpyeong-gu, Seoul

ryankwon@ieee.org

—— Education

Hana Academy Seoul *Advisor: Hyungsik Jung*   2022/03 - present
- *Executive of Steering Committee,* **14th International Symposium**

Sanggye Middle School *Advisor: Sunmi Kim*   2019/03 - 2022/02
- *Post Production Engineer*, **Department of Broadcast**

—— Experience

Research Intern, **KAIST, Graduate School of Data Science**	2024/07 - present
Tech Lead, Division of Product Development, **HORANG EDU Corp.**	2024/04 - present
Research Associate, **Sungkyunkwan University, School of Medicine**	2023/05 - present
Representative, **Algorix Corporation**	2022/06 - present
Chief Technology Officer, **The Coala Inc.**	2021/06 - 2023/08
Head of Post Production Department, **Studio AO**	2020/11 - 2021/07

—— Membership

Member, Young Professionals, **Institute of Electrical and Electronics Engineers**	2023 - present
Student Member, **Korean Institute of Information Scientists and Engineers**	2022 - present
Contributing Member, **Python Software Foundation**	2022 - present

—— Publications

R. D. Kwon et al., **'ResNet with Integrated Convolutional Block Attention Module for Ship Classification Using Transfer Learning on Optical Satellite Imagery'**, arXiv preprint arXiv:2404. 02135, 2024.

R. D. Kwon, D. Lim, Y. Lee, and S. W. Lee, **'Deep Residual CNN for Multi-Class Chest Infection Diagnosis'**, arXiv [eess.IV]. 2023.

Y. Cho et al., **'Evaluating the Efficacy of Interactive Language Therapy Based on LLM for High-Functioning Autistic Adolescent Psychological Counseling'**, arXiv [cs.HC]. 2023.

R. D. Kwon, D. Lim, and J. Park, **'Adaptive Partition Sort: Developing an Efficient Sorting Algorithm by Combining the Strengths of Quick Sort and Merge Sort'**, in Proceedings of the KIISE Korea Computer Congress, 2023, pp. 2019–2021.

R. D. Kwon, **'Proposal of Lexicographically Sortable Unique Identifier to replace Universal Unique Identifier (UUID) in Distributed Computing System'**, in Proceedings of the KIISE Korea Software Congress, 2022, pp. 1886–1888.

J. Lee, J. S. Shin, J. H. Gwak, H. N. Park, and R. D. Kwon, **'Implementation of CanSat for Information Gathering To Support Artillery Fire'**, in Proceedings of The Korean Society for Aeronautical and Space Sciences Fall Conference, 2022, pp. 703–704.

▬▬▬ Professional Activities

Reviewer, **IEEE Transactions on Geoscience and Remote Sensing**　　　　　2024 - present

▬▬▬ Honors and Awards

Finalist, 2024 Regeneron International Science and Engineering Fair (ISEF)	2024/02
Certificate of Award for Achievement in Research in Psychological Science, APA	2024/02
Gold Medal (1st Award), 2023 Korea Science and Engineering Fair (KSEF)	2024/02
Grand Prize (1st Award), IMPACTHON, IMPACT	2024/01
Talent Award of Korea, Ministry of Education of the Republic of Korea	2023/12
Top Student Researcher (1st Award), The Korean Academy of Science and Technology	2023/11
3rd Award, Software Future & Dream Challenge 2023, Korea Software Industry Association	2023/11
Special Award, Youth Engineering Leader Autonomous Car Contest 2023, Hyundai Mobis	2023/11
Bronze Medal (3rd Award), The 13th KSME Student Creative Design Competition	2023/10
Judge and Mentor, SKYCC: Pairing Hackathon, Seoul National University SCSC	2023/05
Mentee, KAST Science Mentorship Program, The Korean Academy of Science and Technology	2023/04
Hansung Nobel Young·Gifted Scholars, Hanseong Sonjaehan Scholarship Foundation	2023/03
3rd Award, Youth Engineering Leader Autonomous Car Contest 2022, Hyundai Mobis	2023/02
Advanced Invention Course, Seoul Science Park, Seoul Metropolitan Office of Education	2022/09

▬▬▬ References

Hyungsik Jung, Hana Academy Seoul, Department of Science and Informatics.
Seung Won Lee, Sungkyunkwan University, School of Medicine.