Ryan Donghan Kwon

Curriculum Vitae

Hana Academy Seoul
535 Yeonseo-ro,
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────── Education

Hana Academy Seoul *Advisor: Hyungsik Jung*   2022/03 - present
- *President* of IT Club **Assembly**; Aerospace Club **Zyrospace**
- *Vice President* of Finance Club **GreenRock**
- **International Symposium** *Executive of Steering Committee*

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

────── Work Experience

Research Associate, **Sungkyunkwan University, School of Medicine**   2023/05 - present
Chief Executive Officer, **Algorix LLC**   2022/06 - present
Chief Technology Officer, **The Coala Inc.**   2021/06 - present
Post Production Manager, **Studio AO**   2020/11 - 2021/07

────── Membership

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

────── Publications

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, J. S. Shin, and D. Lim, **'Lightweight Syntax Structure for Describing Data to Transfer over Internet of Things (IoT) Devices'**, Proceedings of the 25th Korea Conference on Software Engineering, pp. 193–197, 2023.

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.

▬▬▬ Honors and Awards

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
Mentor and Judge, SKYCC: Pairing Hackathon, Seoul National University SCSC	2023/05
Mentee, 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

▬▬▬ Projects

Exam Venue Inquiry System Advancement, Hana Academy Seoul	2023/04
Face Recognition Attendance System, Club Assembly, Hana Academy Seoul	2022/11
Map of the Modern World Quiz, Georgetown University	2022/09
IoT Water Level Reporting System, Club Serendipity, Hana Academy Seoul	2022/08
Exam Venue Inquiry System, Hana Academy Seoul	2022/07
Art Centre Reservation System, Hana Academy Seoul	2022/06
IoT Factory Manufacturing Execution System, Samsung Heavy Industries	2021/05

━━━ Extracurricular Activities

Invited Speaker, Lounge 23, IMPACT	2023/12
Sweden-Korea Nobel Memorial Program 2023	2023/11
Nobel Prize Dialogue Seoul 2023	2023/09
Junction Asia 2023	2023/08
10th Hansung Nobel Young · Gifted Scholars Summer Camp	2023/08
KAST Hanlim Future Science Camp 2023	2023/08
KAIST Creative Global Leader Camp	2023/08
The State University of New York Korea Experience Day	2023/05
ML + QC: Data & Model, Classical Machine Learning, Quantum Computing and Quantum ML	2023/04
BespinGlobal OpsNow360 Conference: Cloud Management as a Service	2023/02
JAX/Flax: High-performance deep learning framework pushed by Google and HuggingFace	2023/02
Stripe Product Masterclass for SaaS & Marketplace	2023/01
Invited Speaker, Impact Lounge, IMPACT	2022/12
Python Korea End of Year Party	2022/12
How Startups go global with Stripe	2022/11
AWS Industry Week 2022	2022/11
(Project) Braille Motion Graphics, REA:TIC Industries	2022/08
(Project) Product Recognition Service for Visually Impaired	2022/07
The Junior Conference (SojuCon): Shot 1	2022/07
Woowa Brothers GoodJob Conference	2022/04

━━━ References

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