

Oyun Kwon^{ID}

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Interests

Brain and AI, Alternatives or Breakthroughs in Modern ML

- Computational Neuroscience, Neuromorphic Chip, DRL

Climate Tech

- CCUS, Emissions Trading, NZEB, Energy-Efficient Chip

Education

KAIST Honor's Program, Daejeon, KR
Dual Enrollment Program

Feb 2024 – Feb 2025
(expected)

- **Coursework:** Computational Neuroscience, Mathematical Modeling

Korea Science Academy of KAIST, Busan, KR
High School Diploma

Feb 2022 – Feb 2025
(expected)

- **Coursework:** Computer Science, Physics and Mathematics

Careers

Representative

Mar 2024 – Jul 2024

KIC 2024 Organizing Committee, Busan, KR

- Planning, operations, fundraising, and cooperation with relevant organizations
- Successfully concluded inaugural event; secured Korea Innovation Foundation's support for following year

Founder, CEO

Jan 2023 – Nov 2023

Chusoo Corporation, Seoul, KR

- Carbon offset monetization solution through EU ETS(Emissions Trading System)
- Corporate dissolution due to strict regulations on minors & startups

Research Experience

Laboratory Intern

Feb 2024 – Oct 2024

KAIST Laboratory of Brain and Machine Intelligence

- Supervisor: Prof. Sangwan Lee (KAIST, Dept. of Brain and Cognitive Sciences)

Laboratory Intern

Feb 2023 – Oct 2023

KAIST Laboratory of Photonics and Effective Matter

- Supervisor: Prof. Bumki Min (KAIST, Dept. of Physics)

Publications

Evaluating the efficacy of interactive language therapy based on LLM for high-functioning autistic adolescent psychological counseling

Jan 2024

Yujin Cho, Mingeon Kim, Seojin Kim, **Oyun Kwon**, Ryan Donghan Kwon, Yoonha Lee, Dohyun Lim
arXiv:2311.09243 [cs.HC]

Honors And Awards

Talent Award of Korea , Ministry of Education	2023
Next Entrepreneur Award , Korean Intellectual Property Office	2022
K-Startup National Competition , Finalist, Ministry of SMEs and Startups	2023
Korea Science & Engineering Fair(KSEF) , Bronze Medal	2023
Korea Youth Software Challenge , 3rd Award, Korea Software Industry Association	2023
National Youth Startup Competition , 2nd Award, Ministry of Education, Korea	2022
DB-SNUBiz Startup Competition , 3rd Award, Seoul National University	2023
Forest Big Data Hackathon , 1st Award, Korea Forest Service	2023

Projects

Anti-Synthetic Image Filtering via Adversarial Attack Team Algorix	2024
Proposal of a New Floorplan Representation for 3D VLSI Samsung Humantech Paper Award	2023
Carbon Absorption Estimation Model Through Forecasting Net Photosynthesis of Plants Based on Weather Data Chusoo Corp.	2023
Implementation of Hazardous Situation Sensing Model via MFCC-based Audio Classification Social Venture Challenge	2023
A Comparative Study on the Trend of Climate Change in Korea and Singapore Using Climate Satellite Models KSA-NHSUS international collaborative research	2023
Demand Response Traffic System (DRT) Matching Solution MoDaaS	2023