

Hyunseung Ryu

South Korea ryu@rhseung.me github.com/rhseung www.rhseung.me

Experience

Audio Intelligence Technology & Research Lab (AiTeR), School of EECS, GIST

2025.09 – Present

Frontend developer intern

Taking part in experiments and research at the audio intelligence lab.

aiter.gist.ac.kr/ 

Education

Gwangju Institute of Science and Technology (GIST)

2025.03 – Present

B.S., Electrical Engineering and Computer Science; AI Convergence (double major)

National Science and Engineering Scholarship, Korea Student Aid Foundation

Freshman representative, 2025 matriculation ceremony

Class representative, Electrical Engineering and Computer Science, 2026

Dean's List, Spring 2026 (GPA 4.406 / 4.5)

Gwangju Science Academy for the Gifted

2022.03 – 2025.02

Natural Sciences

Computer science GPA 4.285 / 4.3

Gold Prize in every in-school computer science competition entered (2022, 2023), the 2022 one was the only award given to a first-year student

Six Subject Excellence Awards in computer science, four of them ranked 1st

Selected projects

rhseung.me

2026.08

A personal site built on Astro islands. This page is the result.

Campass

2024.11 – 2024.11

A companion service that gathers everything you need for campus life in one place.

Table-tennis robot

2024.10 – 2025.01

Computer vision tracks the ball in real time and predicts the strike point to drive a four-axis linear robot.

NEAT

2024.09

Evolving network topology itself with NEAT (NeuroEvolution of Augmenting Topologies).

Glance

2024.06

A Minecraft interface mod bundling a set of quality-of-life tweaks.

Fliggle	2024.05 – 2024.07
A social app built for practice, with both the frontend and the backend written from scratch.	
IdP	2024.03 – 2024.08
GIST's single sign-on system. OAuth 2.0 and OpenID Connect let one account log into every campus service, and external ones too.	
Particles	2024.03 – 2024.11
A constraint-based 2D physics engine. Position-based dynamics solve rigid bodies and joints.	
Pattern	2024.02 – 2024.05
Builds regular expressions through a builder API — method chains instead of unreadable expressions.	
DateTime	2024.01 – 2024.04
Parses natural-language expressions like "next Tuesday" into dates.	
siunits	2023.12
A unit-arithmetic library for physics experiments. Dimensionally invalid operations fail at the type level.	
GSA KakaoTalk bot	2023.09 – 2024.02
A KakaoTalk bot for Gwangju Science Academy — meals, timetables and the academic calendar without leaving the chat.	
YOLOv3 from scratch	2023.03 – 2023.11
Reimplemented YOLOv3 from the paper alone — anchor boxes and multi-scale detection included.	
Competitions	
3rd place, 2026 AX Challenge Track 1	2026.08
Table-tennis robot track · Jun – Aug 2026	
Participant, AI Creative Convergence Competition	2025
GIST AI Graduate School	
Table-tennis robot track	
Participant, JUNCTION ASIA 2025	2025
ENTBE	
Participant, L:AUNCH AI Career School	2025
Root Impact · Krypton X	
Supported by Google.org	
Winner, 2025 Honam Regional Mini Tex-Corps	2025
Ministry of Science and ICT · COMPA	
Hosted by GIST, Ewha Womans University and Wonkwang University startup centers	

Skills

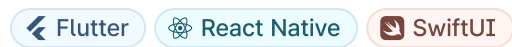
Languages



Web Frontend



Mobile Frontend



Backend



Tools



MLDL

