

Jaehun Bang

 Portfolio  devappendcbangj@unist.ac.kr

 UNIST, Ulsan, South Korea

EDUCATION

UNIST

Sep.2024 - Feb.2027 (expected)

M.S student of Artificial Intelligence (Advisor : Prof. Kyungdon Joo)

GPA: 4.23/4.3

Research Interest : 3D-LLM, 3D-Agent, VLM

Seoul National University of Science and Technology

Mar.2018 - Aug.2024

B.S in Mechanical System Design Engineering (major)

GPA: 4.4/4.5 (Rank : 1/40)

Applied Artificial Intelligence (minor)

EXPERIENCES

LG AI Research

May.2026 - Aug.2026

Research Internship (Exaone Team, Mentor: Sejong Yang)

Research Topic : Vision-Language Foundation Model

Carnegie Mellon University

Aug.2025 - Mar.2026

Visiting Researcher (Advisor : Prof. Deva Ramanan)

Research Topic : 3D-LLM, Open-Vocabulary 3D Scene Understanding

POSTECH

Jan.2024 - Aug.2024

Research Internship (Advisor : Prof. Tae-Hyun Oh)

Research Topic : Video-LLM, Vision-Language Model

PUBLICATIONS

[1] **Jaehun Bang**, Jinhyeok Kim, Minji Kim, Seungheon Jeong, Kyungdon Joo*, “LightSplat: Fast and Memory-Efficient Open-Vocabulary 3D Scene Understanding in Five Seconds,” **CVPR**, 2026.

[2] **Jaehun Bang**, Moon Ye-Bin, Tae-Hyun Oh*, Kyungdon Joo*, “Beyond the Highlights: Video Retrieval with Salient and Surrounding Contexts,” **WACV**, 2026.

[3] Jinhyeok Kim, **Jaehun Bang**, Seunghyun Seo, Kyungdon Joo*, “Rigidity-Aware 3D Gaussian Deformation from a Single Image,” **SIGGRAPH ASIA**, 2025.

[4] Joonseong Kang*, Seung Ha Hwang*, **Jaehun Bang***, Jiyoung Ko*, Subeen Park†, Jeffrey Genari†, “ORBIT: Optimal Recommendation Framework for Boarding with Interpretable Timelines,” **IJCAI Demo Track**, 2026.

* Equal contribution. † Corresponding authors.

AWARDS

2024 LINC 3.0 Competition

Jan.2024 - Feb.2024

2nd place (overall in school)

Grand Prize

2023 Capstone Design Exhibition

Jan.2023 - Feb.2024

2nd place (out of 40 teams)	Excellence Award
2023 Hanium ICT Mentoring Contest	<i>Jan.2023 - Dec.2023</i>
In Top 3% (out of 321 teams)	IITP Award
2022 SEOULTECH WithUS Outstanding Club Award	<i>June.2022 - Feb.2023</i>
Joint award	SEOULTECH President's Award
2022 International Robot Contest Intelligent Robot Division	<i>Dec.2021 - Oct.2022</i>
1st place	Prime Minister's Award
2021 International Robot Contest Intelligent Robot Division	<i>Mar.2021 - Dec.2021</i>
3rd place	The Director of the KIRIA's Award
2021 Embedded Software Contest Humanoid Division	<i>Mar.2021 - Dec.2021</i>
5th place	Hancom Intelligence CEO's Award

PROJECTS

HYUNDAI CTO AI Competition	<i>Jul.2023 - Aug.2023</i>
In Top 30	HYUNDAI
Google Solution Challenge	<i>Jan.2023 - Jun.2023</i>
In Top 5% (out of approximately 2000 developer teams)	Google
Self-Driving Coffee Delivery Robot	<i>Sep.2022 - Dec.2022</i>
1st place (out of 10+ teams)	SEOULTECH

SCHOLARSHIPS

Graduate Presidential Science Scholarship	<i>Spring, 2026 - Winter, 2026</i>
Graduate Fellowship	Korea Student Aid Foundation (KOSAF)
Silla Culture Scholarship	<i>Spring, 2021 - Fall, 2023 (6 Semesters)</i>
Full-Ride Scholarship	Silla Culture Scholarship Foundation Corporate
Academic Excellence Scholarship	<i>Spring, 2018 - Fall, 2022 (5 Semesters)</i>
Full-Ride Scholarship	SEOULTECH
Meritorious Service Scholarship	<i>Fall, 2022</i>
Prize Scholarship	SEOULTECH
Talent Development Scholarship	<i>Fall, 2022</i>
Research Scholarship	SEOULTECH
English Proficiency Scholarship	<i>Spring, 2018</i>
Academic Scholarship	SEOULTECH

TEACHING EXPERIENCES

UNIST AI Programing II Teaching Assistant	<i>Fall, 2024</i>
SEOULTECH Physics Teaching Assistant	<i>Fall, 2022</i>