

Danbi Kim

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<https://danbi-kim-0624.github.io/> |  [Danbi-Kim-0624](#)

EDUCATION

Korea Advanced Institute of Science and Technology(KAIST), Daejeon, South Korea

- B.S. in Mathematics and Aerospace Engineering 2020-2024
 - GPA: 3.86/4.3 (*Magna Cum Laude*)

WORK EXPERIENCE

Undergraduate Intern


- Laboratory for Solid Mechanics & Materials in Extremes at KAIST 2023-2024
with [Prof. Hansohl Cho](#)
 - Summarized papers related to thin structure and generated a Python script for Abaqus simulation of hyperelastic thin plate.
- Global Navigation Satellite Systems Lab at KAIST with [Prof. Jiyun Lee](#) Winter 2022
 - Learned the basic background of the satellite system.

KAIST Science Outreach Program (KSOP) (<https://outreach.kaist.ac.kr/>)

Support students interested in the sciences but don't have proper opportunities via regular mentoring and eclectic scientific programs.

- Content Creation Mentor in [KSOP 정서 함양 멘토링](#) 2021-2024
 - Interviewed 47 mentors about their life-changing books and produced videos as part of a socio-emotional mentoring project.
 - Hosted and participated in the production of liberal arts videos aimed at fostering humanities and arts sensibilities.
- Operation Mentor for Summer/Winter Camp 2021-2023
 - Interviewed [Chang Byung-gyu](#), Chairman of Krafton, and served as the host of his special lecture, including moderating the Q&A session (2021, 2023 summer)
 - Supported the overall operation by mediating conflicts between people, preparing educational resources, and scheduling the program.
- Computer Science Course Project Development Mentor 2022-2023
 - Designed ten-week-long basic Python course materials and developed three mini-projects to teach students who are new to computer programming.
- Education Mentor for Spring semester Spring 2022
 - Mentored ten high school students about their concerns and future career.

SKILLS AND LANGUAGES

- English: Proficient (iBT TOEFL 104), Korean: Native
- Programming Languages: Python, MATLAB, C |  [Danbi-Kim-0624](#)
- Computer aided design/engineering: SolidWorks, Abaqus.

HONORS AND ACHIEVEMENTS

- KAIST Q-Day Student Special Awards Winners (T) 2024
 - Awarded in the "Trust and Communication" category for contributing to the development of humanities and arts programs as the KSOP Media Team.
- KAIST Aerospace Engineering Hong Chang Sun Scholarship 2023
 - Established to create an educational environment where students with excellent grades can focus on their studies, in honor of Professor Hong Chang Sun.

INTERESTS AND ACTIVITIES

Contribute to diverse social activities out of curiosity toward the world and strong intelligent desire, especially dedicate to sports activities with a team.

- KAIST representative Swimming Team *KAORI* team member
 - The 3rd Gimcheon Masters Swimming Competition: Backstroke 100m (F) Bronze Medal (2025)
 - The 29th KAIST Swim Meet: Freestyle 100m (F) Bronze (2024)
 - The 2nd Gimcheon Masters Swimming Competition: Freestyle 100m (F) 5th place (2024)
- Independent Reading Activities
 - The 4th KAIST Reading King: Individual Category Champion Award (2025)
 - The 2nd KAIST Reading King: Individual Category Encouragement Award (2022)

Last updated September, 2025.