

# Danbi Kim

Daejeon, South Korea | [danbi@kaist.ac.kr](mailto:danbi@kaist.ac.kr) | +82) 10-5018-2790 |  
<https://danbi-kim-0624.github.io/> |  [DANBILAND](#)

## EDUCATION

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**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

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### 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 Krafon, 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

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

## HONORS AND ACHIEVEMENTS

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- 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

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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)

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Last updated September, 2025.