

Dongchan Kim

✉ iam@dckim.kr

🌐 <https://dckim.kr/>

Education

- 2024 – present 📖 **M.Sc. Physics** in Chung-Ang University.
- 2020 – 2023 📖 **B.Sc. Physics** in Chung-Ang University. (*Summa Cum laude*)
Overall GPA: 4.38/4.5
Major GPA: 4.42/4.5

Research Experiences

- 2024 – present 📖 **Graduate students**, Department of Physics, Chung-Ang University.
Advisor: Prof. Gungwon Kang
- 2022 – 2023 📖 **Undergraduate research students**, Department of Physics, Chung-Ang University.
Advisor: Prof. Gungwon Kang
Topics: Solving Einstein's equations via numerical methods. Covers ADM 3+1 equations and more.

Presentations

Posters

- 2023 📖 Numerical Relativity Studies of Spin-Configured Binary Black Hole
Chung-Ang University
- 2022 📖 Evolve Schwarzschild geometry using ADM equations.
Chung-Ang University


Talks

- 2023 📖 Numerical Relativity Studies of Spin-Configured Binary Black Hole, Introduction to N-Puncture Solver
High-Energy Physics Center, Chung-Ang University

Awards


- 2024 📖 Winner of the 2024 Computational Astrophysics Competition.
KASI President's Award
- 2023 📖 Honors for Outstanding Research Presentation
Department of Physics, Chung-Ang University
- 📖 Winner of the 2023 Computational Astrophysics Competition.
UNIST President's Award

Awards (continued)

2022  Honors for Outstanding Research Presentation
Department of Physics, Chung-Ang University

Scholarships

2024 – 2025  Chung-Ang University Graduate Research Scholarship.
Chung-Ang University

2022 – 2023  National Science Foundation Scholarship.
Ministry of Science and ICT & Korea Student Aid Foundation

2023  Scholarship for 1st in Grade.
Chung-Ang University


2021  Scholarship for 1st in Grade.
Chung-Ang University


 Scholarship for Top 10% in Grade.
Chung-Ang University


2020  Scholarship for Top 10% in Grade.
Chung-Ang University

Skills

Languages  Korean (native)

Coding  PYTHON, C/C++, RUST, JAVASCRIPT, ...

Markup  HTML, MARKDOWN, L^AT_EX, ...

Misc.  Problem Solving and Competitive Programming.

 LINUX, GIT, etc.

Miscellaneous Experience

Participation

2024  Chung-Ang University Beyond Standard Model Workshop.

 Winter School on Numerical Relativity and Gravitational Waves.

2023  KPS Fall Meeting.

 Runner-up of 2023 Chungnam National University SW-IT Contest Open - Division 2.

Miscellaneous Experience (continued)

- Summer School on Numerical Relativity and Gravitational Waves.
- Chung-Ang University Neutrino School.
- 2022 ■ Winter School on Numerical Relativity and Gravitational Waves.
- ACM-ICPC Asia Seoul Regional 63th Place.
- ACM-ICPC Korea Nationwide Internet Competition 97th Place.

Competition Organization

- 2023 ■ Chung-Ang University Programming Competition(CPC).
- 2022 ■ Chung-Ang University Programming Competition(CPC).