Junyeop Kim

Curriculum Vitae

Personal Information

Citizenship : Republic of Korea

Born : November 21st, 2001, in Seoul, Republic of Korea

Languages : native in Korean, fluent in English, basic in Russian

Address : 303-105, 132, Magokseo 1-ro, Seoul, Republic of Korea (postal : 07598)

Email : juney1121@gmail.com

Website : `https://juneyeop.github.io`

Education

B.S. in Physics and Mathematics (*Mar. 2020 – Feb. 2025*)
Konkuk University–Seoul

GPA : 4.29 / 4.50 (physics 4.40, mathematics 4.32)

Graduation Rank : 1 / 37

Research Interests

- Topological quantum field theory, Low-dimensional topology
- Quantum field theoretical approach to many-particle systems

Awards and Honors

- **Merit-based Scholarship** (*2020 – 2023*)
  Konkuk University, 6 times
- **Dean's List** (*2020 – 2023*)
  Konkuk University, 5 times
- **Bronze Medal, 40th University Students Contest of Mathematics** (*Jan. 2022*)
  Korean Mathematical Society

Extracurricular Activities

- **Work Experience** (*Feb. 2025 – *)
  Daemyung Electronics Devices Co.,Ltd
  - As a part of the department of purchasing and trading of the wiring harness manufacturing B2B corporation, I managed selling and purchasing orders communicating with assembly lines and major contractors.
- **Mentorship** (*2022 – 2023*)
  Department of Physics, Konkuk University
  - As a mentor-student, gave lectures on selected topics on mathematical physics – special functions, Fourier series and transform, ODEs (Frobenius method, Legendre, Bessel, etc.), PDEs, complex analysis – during summer and winter breaks.

Research Internship Program

- **Computational Many-Body Physics Group** (*Jan. 2024*)
  Gwangju Institute of Science and Technology
  - Learnt numerical methods widely used in condensed matter theory research, such as MCMC, PIMC, and VMC with the shadow wave function, and their applications to Ising model, quantum harmonic oscillators, and liquid helium-4.

Skills

- Fortran, Python, LaTeX

Gap Period

- Autumn semester of 2023, due to a family affair and to travel abroad.