

Junyeop Kim

Curriculum Vitae

Personal Information

- Born : November 21, 2001, Seoul, Republic of Korea
- Email : juney1121@gmail.com
- Website : <https://juneyeop.github.io>

Academic Interests

- mathematical quantum field theory, specifically TQFT
- quantum field theoretical approach to many-particle systems

Education

- **Elite Master Course Theoretical and Mathematical Physics** *Oct. 2025 –*
Ludwig-Maximilians-Universität München *and* Technische Universität München
- **Bachelor of Science in Physics and Mathematics** *Mar. 2020 – Feb. 2025*
Konkuk University – Seoul Campus
Graduated at the top.

Awards and Honors

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

Visiting

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

Voluntary Mentorship

- **Konkuk University** *2022 – 2023*
School of Physics
As a mentor-student, I delivered mini-lectures on selected topics in mathematical physics during summer and winter breaks for students who struggled with following regular mathematical physics courses.

Industry

- **Daemyung Electronics Devices Co., Ltd**
Purchasing and Trading Department

Jan. 2025 – Sept. 2025

Skills

Fortran, Python, L^AT_EX

Languages

native in Korean, fluent in English, basic in Russian