



# Kwon-Neong Jung

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## Education

2025

B.S in Electronic physics

Hankuk University of Foreign Studies

Yongin

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## Contact

Phone :

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Address :

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## PERSONAL INFO

Date of birth :

Nationality : Republic of Korea

Major : Electronic physics

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## SKILLS

**Photolithography:** Hands-on experience in microfabrication processes including spin coating, UV exposure, and development

**Dry transfer:** Dry transfer techniques for layered 2D material systems

**AFM:** Surface morphology and thickness characterization using atomic force microscopy

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## Research Interest

My primary research interest lies in the Josephson effect, with a particular focus on spin-triplet Josephson junctions based on ferromagnetic and antiferromagnetic materials. I aim to analyze the dynamic interactions among spin, charge, and heat in the superconducting state. By studying Josephson junctions, I seek to determine how magnetic order and interfacial properties regulate transport phenomena and emergent behaviors in superconducting spin systems.