



Kwon-Neong Jung

Education

2025

B.S in Electronic physics

Hankuk University of Foreign Studies

Yongin

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PERSONAL INFO

Date of birth :

Nationality : Republic of Korea

Major : Electronic physics

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

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.