



Sehyun Ryu

Graduate Visiting Researcher Student, Electrical Engineering

Bio

BIO

Hello! I'm Sehyun, a Visiting Researcher Student at Stanford University, working with Prof. Cioffi's group in the Department of Electrical Engineering.

My research focuses on wireless communications for scalable machine intelligence. I'm originally from South Korea and always happy to meet and connect with new people.

Please feel free to reach out if you're interested in collaborating on wireless communications or AI research, or simply want to chat about technology and new ideas :)

EDUCATION AND CERTIFICATIONS

- B.S., POSTECH , Electrical Engineering (2023)
- Ph.D., POSTECH , Electrical Engineering (2027)
- External Research Fellow, Seoul National University , Institute of New Media and Communications

PERSONAL INTERESTS

Philosophy · Psychology · Football · Technology · Entrepreneurship · Travel

LINKS

- sehyunryu.github.io: sehyunryu.github.io

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research explores how wireless systems can adapt to changing channels, mobility, and application demands to support scalable and robust machine intelligence. I focus on AI-native communication methods that learn meaningful representations of wireless environments, anticipate channel dynamics, and adapt physical-layer and edge-network operations, particularly for mobile and robotic systems.

LAB AFFILIATIONS

- John Cioffi, Machine Learning and Communications Laboratory (10/1/2026)