Woojin Park

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Education

Mar 2026 – Present	**Sungkyunkwan University, Suwon** **Integrated M.S and Ph.D.**, College of Medicine, **Medical Artificial Intelligence**
Mar 2021 – Feb 2026	**Sahmyook University, Seoul** **B.S.**, Computer Science and Engineering, **Major in Software** (GPA: 4.05 /4.5)

Research Experience

Jan 2026 – Present	**Medical Big Data Laboratory**, Sungkyunkwan University **Researcher**, Advisor: *Prof. Seung-Won Lee*
Jun 2025 – Aug 2025	**Big Data-Driven AI Lab**, Seoul National University of Science and Technology **Research Intern**, Advisor: *Prof. Hyuk-Yoon Kwon*

Projects

Medical AI

Jun 2025 – Aug 2025 — **Self-supervised Federated Learning for Diabetic Retinopathy Classification**
• Collaborative project by Seoul National University of Science and Technology & the National Medical Center
• Researched a **domain-agnostic self-supervised federated learning framework** based on **Vision Transformer,** and **enhanced model explainability** through **Grad-CAM and Attention rollout.**

AI-based

Mar 2025 – Jun 2025 — **LLM-Based Sales Conversation Evaluation and Scoring System**
• **Software registration: C-2025-019854**
• Industry-Academia Collaborative Capstone Project.
• Refactored LLM prompts and developed a user interface to ensure consistent and structured output.

May 2025 – Jun 2025 — **News.ai: News Summarization and Email Delivery Service using LLM**
• Developed a web-based service that summarizes news articles using an **LLM API** and a **web crawling algorithm**.
• Designed and implemented multiple analysis and summarization styles across different APIs, providing summary rate visualization graphs while optimizing for **mobile-friendly UX/UI design**.

Activities

Mar 2025 – Jun 2025	**On-Campus SW Coding Mentoring Program,** Sahmyook University **Mentor**, Object Oriented Programming (Language: **Java**)

Awards

Aug 2022	**1st Prize**, On-Campus General English Course Review Contest, Sahmyook University

Qualifications

Sep 2025	TOEIC 710
Jan 2025	JLPT N3