Woojin Park

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Education

Sungkyunkwan University, South Korea   **Mar 2026 – Present**
• **Integrated M.S./Ph.D.**, School of Medicine   **GPA: N/A / 4.5**

Sahmyook University, South Korea   **Mar 2021 – Feb 2026**
• **B.S.**, Computer Science and Engineering, Major in Software   **GPA: 4.08 / 4.5**

Research Experience

Medical Big Data Lab., Sungkyunkwan University   **Mar 2026 – Present**
• **Graduate Research Student** (Advisor: *Prof. Seung-Won Lee*)

Big Data-Driven AI Lab., SeoulTech   **Jun 2025 – Aug 2025**
• **Research Intern** (Advisor: *Prof. Hyuk-Yoon Kwon*)

Projects

Oneday-Twopills (Haru-doal), Lab-based Healthcare Startup at MBD Lab., SKKU   **Nov 2025 – Present**
• **App Developer**; integrated backend APIs into a Flutter mobile app, enabling end-to-end client–server communication.

Self-supervised Federated Learning for Diabetic Retinopathy Classification   **Jun 2025 – Aug 2025**
• Collaborated with SeoulTech and the National Medical Center.
• Researched a domain-agnostic **self-supervised federated learning framework** based on a **Vision Transformer** and enhanced model explainability using **Grad-CAM**.

LLM-based Sales Conversation Evaluation and Scoring System   **Mar 2025 – Jun 2025**
• Industry–academia collaborative capstone project; registered software (C-2025-019854).
• Refactored LLM prompts and developed a user interface to ensure consistent, structured outputs.

News.ai: A News Summarization Service based on an LLM   **May 2025 – Jun 2025**
• Developed a web-based service that summarizes news articles using an LLM API and a web crawling algorithm.
• Implemented multiple summarization styles and summary-rate visualization, optimizing for mobile-friendly UX/UI.

Teaching Experience

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

Awards

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

Scholarships

Excellent Graduate Student Scholarship (Type 2) (新대학원우수장학생), Sungkyunkwan University   **Mar 2026 – Feb 2029**