Woojin Park

parkwj0602@gmail.com
(+82)10-8234-6252 (Cell)
https://henrypark62.github.io

Education

21/03 – 26/02 (Expected)	**Sahmyook University**, Seoul B.S., Computer Science and Engineering, Major in Software **(GPA: 4.0 /4.5)**

Research Experiments

25/06 – Present	**Big Data-Driven AI Lab**, Seoul National University of Science and Technology Undergraduate Research Intern, supervised by Prof. Hyuk-Yoon Kwon

Project

Medical Deep Learning

25/06 – Present — Scalable Multi-Domain Ocular Fundus Image Federated Learning Framework
• Seoul National University of Science and Technology, National Medical Center

25/05 – 25/06 — Brain MRI Tumor Detection using DenseNet121, Grad-CAM
• Classified brain MRI images into three tumor types and one normal class using softmax and fine-tuned **DenseNet121** for improved accuracy.
• Applied **Grad-CAM** to visualize lesions as part of explainable AI for enhanced medical interpretability.

25/05 — Chest X-ray Pneumonia Detection using Fine-tuned ResNet50, Grad-CAM
• Improved model accuracy through transfer learning and fine-tuning of **ResNet50**.
• Visualized lesions using **Grad-CAM**.

AI-based

25/03 – Present — MindNote: AI-based Emotional Diary and Psychological Analysis Service
• Developed a web/mobile service that analyzes user diaries using an **OpenAI-based LLM**.
• Provided personalized sentiment and psychological feedback for mental health support.

25/03 – 25/06 — 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.

25/05 – 25/06 — 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**, delivers the summaries via email.

SW

24/11 – 24/12 — Pegasus: Java-based SNS
• Developed a web-based SNS using **Java** (JSP, Servlets, JDBC, DAO, Ajax), MySQL, HTML, CSS.
• Implemented a WebView-based Android application using Android Studio and **Kotlin**.

Activities

25/03 – 25/06	**Google Developer Groups on Campus (GDGoC)** **Member**, Machine Learning Session
25/03 – 25/06	**On-Campus SW Coding Mentoring Program** **Mentor**, Object Oriented Programming (Language: **Java**)

Award

22/08	**1st Prize**, On-Campus General English Course Review Contest

Qualifications

25/01	JLPT N3