

GEUNRIP PARK

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Education

Yonsei University, Seoul <i>Bachelor of Science in Artificial Intelligence</i>	Mar '23 - Present GPA: 3.91/4.30 (Overall), 4.08/4.30 (Major)
Sogang University, Seoul <i>Bachelor of Science in Computer Science and Engineering</i>	Mar '22 - Feb '23 GPA: 4.30/4.30

Research Interests

Broad interest in Artificial Intelligence & Computer Science, currently exploring various fields to discover a specific area of focus. Currently interested in the following areas.

- Computer Vision, especially Object Detection
- Deep Learning, especially Instance Segmentation
- Computer Systems, focusing on understanding How Computers Operate at the Assembly Level

Honors & Awards

Hyupsung Scholarship, Hyupsung Cultural Foundation Merit-based scholarship, full tuition and living expenses support for undergraduate studies.	Spring '24 - Present
Honors, Yonsei University Qualification criteria for Honors can be found [here]	Fall '23
Park Jeong-ok Scholarship, Yonsei University Application-based scholarship, tuition support.	Fall '23

Projects

Predicting Star Ratings with RNN (link) · Developed a model to predict 0-4 star ratings of business reviews from the Yelp dataset using a BiLSTM architecture.	Oct '24 - Nov '24
Problem-Solving Support Service <i>Auxilium</i> · Developing 'auxilium,' an AI-powered support service designed to assist users on Baekjoon, an online algorithm problem-solving platform.	Oct '24 - Present
Simple and Smart Household Budgeting Application · Developing a household budgeting application that improves accuracy, ease of use, and allows for the recording financial data with personal reflections. · Currently focused on problem definition and solution planning.	Sep '24 - Present
Voice Phishing Detection Application (link) · Developed an app to detect fraudulent calls. When a call is received, it checks caller numbers with a database and notifies users. After the call, the recorded audio is analyzed for phishing risk, with results sent to the user and stored in a database. · Took on the role of team leader, developing voice recognition and analysis APIs, and integrating them into the application.	Jul '24 - Aug '24
Auto Detecting Braille OCR Program · Developing an enhanced 'Braille OCR Program' that automatically detects Braille in images using computer vision and deep learning techniques, such as object detection.	Jul '24 - Present
Highway Driving Simulation with DQN · Developed a reinforcement learning model that optimizes lane-changing and speed control strategies in a multi-vehicle environment using the DQN algorithm in the Python Highway-env package.	May '24 - June '24
CIFAR-100 Image Classification with CNN (link) · For studying machine learning and deep learning, implemented various CNN architectures including SimpleCNN and ResNet, achieving a test accuracy of 76% with ResNet.	Mar '24 - Apr '24
Braille OCR Program (link) · Developed a program that converts Braille in images to text to assist in finding misprinted Braille. Ultimately, this program aims to support the mobility rights of visually impairments.	Mar '23 - Nov '23

- Took a role in designing the architecture and algorithms, and developed a component that recognizes Braille in images and converts it to Braille ASCII. Subsequently, integrated the component that converts Braille images to Braille ASCII with the component that converts Braille ASCII to text.

2048: A Programming Project ([link](#))

June '22 - Aug '22

- Implemented the 2048 game in C for programming practice.

Teaching Experience

Tutoring, Yonsei CCO1100: Computer Programming

Spring '24

Tutor

- Taught a Python programming for 18 CS/AI students at Yonsei University.

Instructor, Python Programming & OOP, Dong-eui University

Summer '23

Instructor

- Instructed a class of high school students about python and object-oriented programming.

Instructor, C/C++ & Python Programming, Dong-eui University

Winter '22

Instructor

- Instructed a class of high school students about C/C++ and Python with algorithm.

Services

Student Council of the Department of Artificial Intelligence

Jan '24 - Present

Committee, Head of Administrative Department

- Managed and organized orientation programs and various departmental programs.
- Promoted departmental programs and managed tasks about programs.

Extracurricular Activities

2024 Yonsei GenAI Contest, Yonsei University

Oct '24 - Present

Finalist, Leader of team 'A'*

- Developing 'auxilium,' an AI-powered support service designed to assist users on Baekjoon, an online algorithm problem-solving platform.

CreAI+IT Club, Yonsei University

Sep '24 - Present

Member

- Generative AI-based startup exploration.
- Developing a 'Simple and Smart Household Budgeting Application' utilizing Generative AI.

2024 AWS X Yonsei Summer Camp, Yonsei University

Summer '24

3rd Place, Leader of team 'ParkGunlip'

- Developed the 'Voice Phishing Detection Application' to identify and prevent fraudulent calls.
- Took a role in developing voice recognition and analysis APIs, as well as integrating them into the application.

YCC Club, Yonsei University (Yonsei Computer Club)

Sep '23 - Present

Member

- Participated in multiple Algorithm-related studying groups.

Yonsei-Nexon RC Creative Platform, Yonsei University

Mar '23 - Nov '23

Team member

- Developed the 'Braille OCR Program' that recognizes braille in images and converts it to text.
- Took a role in designing the architecture and developed an OCR component.

Eagle-Eagle Club, Yonsei University

Mar '23 - Present

Member

- Participated in bowling events and organized practices.

Skills

Programming Languages

C/C++, Python, JAVA, Matlab, SQL

Languages

Korean (Native), English (Intermediate)

Tools

Vim, Make, LaTeX, Raspberry Pi, Arduino, AWS