

# Sungho Yoon

---

## CONTACT INFORMATION

---

Email : [yunseongho99@gmail.com](mailto:yunseongho99@gmail.com)

github : <https://github.com/SoftCoffee1>

blog : <https://scofee.tistory.com>

contact : 010-7925-0197

## EDUCATION

---

- **Bachelor of Science**, Mathematics , Sogang University, Graduation Date Feb 2024
- **Bachelor of Science**, Computer Science and Engineering, Sogang University, Graduation Date Feb 2024
- CGPA: 3.76/4.3 (4.06/4.5)
- Major CGPA : 4.07/4.3 (4.37/4.5)

## PROGRAMMING EXPERIENCE

---

### Emotion Recognition using Deep Learning

**August 2024 – October 2024**

- Conducted research on emotion recognition using EEG data, specifically applying the SEED dataset to train a deep learning model.
- Designed and optimized the model architecture, utilizing He initialization to address underperforming layers, achieving state-of-the-art results.
- Compiled research findings into a paper and submitted it to the Institute of Electronics and Information Engineers(IEIE).
- Gained comprehensive knowledge and improved practical skills in deep learning applications, from model design to code implementation using Pytorch.

### Kubernetes Basics

**August 2024**

- Built a single-node cluster(minikube) with pod containing nginx web server containers and accessed them with different ports by defining services on WSL.
- Understood basics of k8s and reasons for the use.

### Spring Security, JWT Applied on a Simple Backend System

**March 2024**

- Developed a signin, login system with Spring Security, and JWT using Spring and Java.
- Understood difference between Session Login Process and Token Login Process.

### JVM compiler Implementation only for Hello World

**January 2024**

- Implemented a simple JVM to compile only simple code snippets using pure Python.
- Explored Oracle JVM specification, understanding constant pool, attributes opcode etc.

### SellPoint as a Backend Developer

**October 2023 – December 2023**

- Developed and maintained RESTful APIs using Django and DRF to facilitate seamless communication between the front-end and back-end systems.

- Implemented various endpoints to handle CRUD operations.
- Worked closely with front-end developers to integrate API endpoints into the user interface.

### **Sogang Festival AWS**

**August 2023 – September 2023**

- Deployed and managed servers using Amazon Elastic Compute Cloud (EC2) on AWS, ensuring reliable and scalable hosting infrastructure for the Sogang Festival application.

### **LG CNS Summer Internship**

**June 2023 – August 2023**

- Conducted in-depth analysis of Daml, a smart contract language, to model digital assets and streamline business processes on blockchain platforms.
- Studied fundamental concepts of blockchain technology, consensus algorithms, and smart contracts, gaining insights into decentralized applications (DApps) and distributed ledger technology (DLT).

### **LikeLion – Backend Session**

**March 2023 – December 2023**

- Engaged in intensive training sessions focused on database modeling, CRUD (Create, Read, Update, Delete) operations, and API modeling using Django and Django Rest Framework (DRF).
- Acquired proficiency in designing relational database schemas, implementing data manipulation functionalities, and developing RESTful APIs to support front-end applications.

### **Startup Project(KOING) as a Frontend Developer**

**October 2022 – October 2023**

- Built a mobile platform named KOING which connects guides and tourists.
- Cooperated with Backend Developers via swagger, UI/UX designers via figma.
- Used flutter for client pages, several open APIs such as Google Places API.
- Learned about communication skills when doing cooperation.

### **Weather Info Project**

**May 2022 – June 2022**

- Built a program with Python that gives weather informations, and predicts tomorrow weather.
- Crawled Korea Meteorological Administration web site for weather info of the past 80 years.
- Used the crawled data to predict tomorrow's weather.
- Used numpy to operate, matplotlib to visualize, pandas to manage data.

### **Pintos Project**

**September 2022 – December 2022**

- Applied theories of operating system such as context switch, system calls, process scheduling.
- Learned how the theories of operating system are used in real programming.

## **Additional Information**

---

### **School center rock band club Leader**

**February 2019 – February 2020**

- Pushed forward with several performance in many concert halls with other school band clubs.
- Contributed as a leader of the club.

**Math private tutoring classes****February 2018 – February 2023**

- Taught elementary, middle, high school students about mathematics.
- Learned how to think and say logically.

**SKILLS**

---

**Language:** Korean(native), English(intermediate)

Problem Solving : Baekjoon (Platinum 3)

**SCHOLARSHIPS**

---

Advisor scholarship (2019-1)

**QUALIFICATIONS**

---

TOEIC 910

OPIc Intermediate High