

Yunho Kang

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Education:

Stony Brook University

May 2025

Bachelor of Science in Computer Science

Stony Brook, New York

- **Honors:** Achievement 20 of Academic Scholarship
- **Relevant Coursework:** System fundamentals, Computer Networks, Analysis of Algorithms, Data Science, Machine Learning, Software development, Software engineering, Data Structure

Relevant Technical Skills:

Languages: C, Java, JavaScript, SQL, HTML, CSS, React, Dart, Python

Database Systems: MySQL

Software: Figma, Microsoft Office (PowerPoint, Excel, Word), Final Cut pro, penpot, Logic Pro X

Leadership Experience:

Stony Brook University, Stony Brook, NY

September 2024 -December 2024

Teaching Assistant for Elementary Korean

Stony Brook, New York

- Experience of teaching Korean vowels and consonants and supportive environment for foundational language learning
- Developing lessons to enhance basic communication skills, boosting student proficiency and confidence.
- Providing one-on-one guidance to improve understanding of Korean phonetics and sentence structures.

LAMBDA (University Association Student Club)

March 2023 – June 2024

Co-Founder/President

Incheon, Korea

- Organizing and operating side project teams on campus.
- Leading meetings, plan events, and communicate with foreigners for progressing the project well.
- Presenting regular meetings and assign team leadership and operational assistants & advisors for each team.
- Managing projects for efforts to complete the project about develop education application.

The State University of New York, Korea (SUNY Korea)

October 2023 - December 2023

Coding Mentor

Incheon, Korea

- "STEAM Integrated Education for Global Creative Talent" Student Mentor
- Designing and delivering STEAM-integrated programming courses using Scratch, enhancing students' technical proficiency and problem-solving skills.
- Conducting interactive training sessions on Scratch, equipping students with cutting-edge technology skills.
- Fostering a creative learning environment that improved students' engagement and understanding of advanced technical concepts.

Research Experience:

BCL Research Lab

June 2024 - Present

Undergraduate Research Assistant

Stony Brook, New York & Incheon, Korea

- Research progress related to neural networks using AI.
- Building that traffic volume analysis using SNN among neural networks and comparing with ANN and DNN.
- Continuing study for comparing with other neural networks for efficiency and get experience of detecting the number of cars using Tiny Yolo.

Caravan Research

April 2023 - Present

Team Leader

New York, US & Seoul, Korea

- Leading experience of a team that derivation of Efficiency Consideration Ranking of Fine Dust Reduction Species by Region and published extended abstract and journal in engineering archive.
- Research on Anti-drug filters and people's awareness of drugs correlate and designed the prototype the campaign application for Figma tool and Participation in university academic competitions (IGC conference)
- Research on Analysis of the international and domestic impact of the Japanese yen and policy proposals and wrote the relevant reports.
- Developing on the Accessibility Using the Convergence of Sustainability Energy and Psychological Tests and participated published the platform as a developer.