Wookyung Jeong

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https://wookyungjeong.com/
https://github.com/manoflearning

EXPERIENCE	**Hyperithm**	Seoul, Korea

Software Engineer Intern — Dec. 2024 – Feb. 2025
- Developed an in-house LLM agent that automates KYC and business development tasks.

Software Engineer Intern — Jun. 2024 – Aug. 2024
- Developed an in-house live trading system for quant traders within the company.

Visual Computing Laboratory, Jeonbuk National University — Jeonju, Korea
Research Intern (Advisor: Prof. Hyungki Kim) — Nov. 2023 – Apr. 2024
- Learned the fundamental concepts of machine learning and deep learning, from MLP to Transformer.
- Reviewed papers in the field of 3D reconstruction, including NeRF, 3D Gaussian Splatting.

EDUCATION

Jeonbuk National University — Jeonju, Korea
Undergraduate Student — Mar. 2019 – Feb. 2026 (Expected)
- B.S. in Computer Science and Engineering
- Minor: B.S. in Mathematics

HONORS AND AWARDS

International Collegiate Programming Contest (ICPC)
- 22nd Place (Bronze Medal), ICPC Asia Jakarta Regional, 2024
- **55th Place, ICPC Asia Pacific Championship**, 2024
- 18th Place, ICPC Asia Jakarta Regional, 2023
- 31st Place, ICPC Asia Seoul Regional, 2023
- 36th Place, ICPC Asia Seoul Regional, 2022

5th / 3rd Place, Jane Street's Electronic Trading Challenge (ETC), 2023

5th Place Prize, Hyundai Mobis Programming Contest, 2023

Finalist, Samsung Collegiate Programming Cup, 2022 - 2023

Round 3 Qualifier (Top 500), Meta Hacker Cup, 2022

Master (Max Rating 2197, Top 1.59%), Codeforces, 2020 – Present

PROJECTS

Cranberry | Deep Learning, Rust, Python
- Developed a deep learning library from scratch using Rust and Python.
- Implemented tensor operations, including binary ops (add, mul, etc.), reduce ops (sum, max, etc.), movement ops (reshape, expand, etc.), and others (matmul, softmax, cross entropy, etc.).

CP Reference Codes | Algorithms, Data Structures, C++
- Built a programming library with documentation for competitive programming contests.
- Researched cost-efficient and concise implementations of data structures and algorithms, including disjoint set union, segment tree, and centroid decomposition, and implemented them in C++.

ACTIVITIES

Union of Clubs for Programming Contests — Seoul, Korea
President — Jan. 2025 – Present
- Served as the President at UCPC, a union of 34 clubs from 33 universities in Korea.

Vice President — Mar. 2023 – Dec. 2024
- Main organizer of Good Bye, BOJ 2023! / Hello, BOJ 2024!, a Korean year-end / new year programming competition. Primarily responsible for sponsor contact and coordination.
- Organizer of UCPC 2023, a Korean programming competition with 660+ participants. Organized onsite contest with about 150 participants.

SKILLS

Programming Languages: C, C++, Python, Rust
Other Skills: Git/GitHub, LaTeX
Languages: Korean (Native), English (Upper Intermediate)