

Wookyung Jeong

77jwk0724@gmail.com
<https://wookyungjeong.com/>
<https://github.com/manoflearning>

INTERESTS	Deep Learning, AI Low-level Optimizations, Algorithmic Problem Solving	
EXPERIENCE	Hyperithm <i>Software Engineer Intern</i> <ul style="list-style-type: none">Developed an in-house live trading system for quant traders within the company.Integrated new exchanges into the platform by utilizing REST and WebSocket APIs to fetch real-time market data and execute orders.Designed and implemented an authorization management system to prevent multiple bots from accessing the same market simultaneously.	Jun 2024 - Aug 2024 Seoul, Korea
EDUCATION	Jeonbuk National University <i>Undergraduate Student</i> <ul style="list-style-type: none">B.S. in Computer Science and EngineeringMinor: B.S. in Mathematics	Mar 2019 - Present Jeonju, Korea
HONORS AND AWARDS	International Collegiate Programming Contest (ICPC) <ul style="list-style-type: none">55th Place, ICPC Asia Pacific Championship, 202418th Place, ICPC Asia Jakarta Regional, 202331th Place, ICPC Asia Seoul Regional, 202336th 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 <ul style="list-style-type: none">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.).Provides a user-friendly API similar to PyTorch, ensuring ease of use and familiarity for users. CP Reference Codes Algorithm, C++ <ul style="list-style-type: none">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++.	Mar 2024 - Present Jun 2020 - Present
ACTIVITIES	Union of Clubs for Programming Contests <i>Vice President</i> <ul style="list-style-type: none">Served as the Vice President at UCPC, a union of 34 clubs from 33 universities in Korea.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: Samsung Electronics, LG Electronics, Hyundai Mobis, Moloco, Jane Street, etc.Organizer of UCPC 2023, a Korean programming competition with 660+ participants. Organized onsite contest with about 150 participants.	Mar 2023 - Present Seoul, Korea
SKILLS	Programming Languages: C, C++, Python, Rust Machine Learning: PyTorch, TinyGrad Other Skills: Git/GitHub, LaTeX Languages: Korean (Native), English (Upper Intermediate)	