

# Wookyung Jeong

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<https://wookyungjeong.com/>

<https://github.com/manoflearning>

EXPERIENCE	<b>Hyperithm</b> (Cryptocurrency Quant Trading Firm)	Seoul, Korea
	<i>Software Engineer Intern</i>	Dec. 2024 – Feb. 2025
	<ul style="list-style-type: none"><li>Developed an in-house LLM agent that automates KYC and business development tasks.</li></ul>	
	<i>Software Engineer Intern</i>	Jun. 2024 – Aug. 2024
	<ul style="list-style-type: none"><li>Developed an in-house live trading system for quant traders within the company.</li></ul>	
	Visual Computing Laboratory, Jeonbuk National University	Jeonju, Korea
	<i>Research Intern</i> (Advisor: Prof. Hyunki Kim)	Nov. 2023 – Apr. 2024
	<ul style="list-style-type: none"><li>Learned the fundamental concepts of machine learning and deep learning, from MLP to Transformer.</li><li>Reviewed papers in the field of 3D reconstruction, including NeRF, 3D Gaussian Splatting.</li></ul>	
EDUCATION	Jeonbuk National University	Jeonju, Korea
	<i>Undergraduate Student</i>	Mar. 2019 – Feb. 2026 (Expected)
	<ul style="list-style-type: none"><li>B.S. in Computer Science and Engineering</li><li>Minor: B.S. in Mathematics</li></ul>	
HONORS AND AWARDS	<b>International Collegiate Programming Contest (ICPC)</b>	
	<ul style="list-style-type: none"><li>22nd Place (Bronze Medal), ICPC Asia Jakarta Regional, 2024</li><li><b>55th Place, ICPC Asia Pacific Championship, 2024</b></li><li>18th Place, ICPC Asia Jakarta Regional, 2023</li><li>31st Place, ICPC Asia Seoul Regional, 2023</li></ul>	
	5th / 3rd Place, <b>Jane Street's Electronic Trading Challenge (ETC)</b> , 2023	
	5th Place Prize, <b>Hyundai Mobis Programming Contest</b> , 2023	
	Finalist, <b>Samsung Collegiate Programming Cup</b> , 2022 - 2023	
	<b>Round 3 Qualifier (Top 500), Meta Hacker Cup</b> , 2022	
	<b>Master (Max Rating 2220, Top 1.59%), Codeforces</b> , 2020 – Present	
PROJECTS	<b>TinyTrade</b>   Cryptocurrency Quant Trading, Python	
	<ul style="list-style-type: none"><li>Designed and implemented various strategies: arbitrage between two cryptocurrencies tracking the same underlying market, using LLM to read internet news and predict market direction, and market-making by leveraging commission-free event at specific exchange.</li><li>Developed a backtesting engine using raw exchange data, simulating returns, volume, Sharpe ratio, and MDD, factoring in latency and market/limit orders.</li></ul>	
	<b>Cranberry</b>   Deep Learning, Rust, Python	
	<ul style="list-style-type: none"><li>Developed a deep learning library from scratch using Rust and Python.</li><li>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.).</li></ul>	
ACTIVITIES	<b>Union of Clubs for Programming Contests</b>	Seoul, Korea
	<i>President</i>	Jan. 2025 – Present
	<ul style="list-style-type: none"><li>Served as the President at the Union of Clubs for Programming Contests, a union of 34 clubs from 33 universities in Korea.</li><li>Main organizer of <b>UCPC 2025</b>, a Korean programming competition with 540 participants.</li><li>Oversaw problem setting and testing, ensuring problem accuracy and appropriate difficulty.</li><li>Secured a total of 14 sponsors, including 4 new ones: Jump Trading, Krew Capital, HRT, and Channel Corporation, a 7-company increase from the previous year.</li></ul>	
SKILLS	Programming Languages: C, C++, Python, Rust	
	Other Skills: Git/GitHub, LaTeX	
	Languages: Korean (Native), English (Upper Intermediate)	