

Wookyung Jeong

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EXPERIENCE

Hyperithm (Cryptocurrency Quant Trading Firm)

Seoul, Korea

Software Engineer Intern

Jun. 2024 – Aug. 2024; Dec. 2024 – Feb. 2025

- Developed an in-house live trading system used by quant traders, focusing on a production exchange connector layer (REST and WebSocket) with request signing, timestamp synchronization, retry with backoff, and rate limiting, and on a bot authorization and lock manager that prevents conflicting orders.
- Developed an in-house LLM agent that automates KYC and business development tasks.

Visual Computing Laboratory, Jeonbuk National University

Jeonju, Korea

Research Intern (Advisor: Prof. Hyunki Kim)

Nov. 2023 – Apr. 2024

- Studied and implemented core ML architectures from MLP to Transformer; reproduced baseline results.
- Surveyed recent 3D reconstruction literature and presented summaries on NeRF and 3D Gaussian Splatting.

EDUCATION

Jeonbuk National University

Jeonju, Korea

B.S. in Computer Science and Engineering; Minor in Mathematics.

Mar. 2019 – Feb. 2026 (Expected)

(Studies interrupted for mandatory military service, Mar. 2020 to Feb. 2022)

HONORS AND AWARDS

- International Collegiate Programming Contest (ICPC)
 - 22nd Place (Bronze Medal), Asia Jakarta Regional 2024
 - **55th Place, Asia Pacific Championship** 2024
 - 18th Place, Asia Jakarta Regional 2023
- 5th / 3rd Place, Jane Street's Electronic Trading Challenge (ETC) 2023
- 5th Place Prize, Hyundai Mobis Programming Contest 2023
- **Round 3 Qualifier (Top 500), Meta Hacker Cup** 2022
- **Master (Max Rating 2220, Top 1.59%), Codeforces** [Link] Present

PROJECTS

TinyTrade | Cryptocurrency Quant Trading, Python, Pandas, NumPy

- Designed and implemented strategies including pairs trading on assets tracking the same underlying, a news-driven directional model using an LLM, and market making during commission-free promotions at a specific exchange.
- Built a backtesting engine from scratch on raw exchange data with latency modeling and market/limit order simulation; reported PnL metrics such as Sharpe ratio and MDD.

Cranberry [Link] | Deep Learning, Rust, Python

- Authored a DL library from scratch with tensor shapes and broadcasting semantics, autograd, and a core op set (binary, reduce, movement, matmul, softmax, cross-entropy, etc.).

EXTRACURRICULAR ACTIVITIES

Union of Clubs for Programming Contests

Seoul, Korea

President

Jan. 2025 – Present

- Served as President of the Union of Clubs for Programming Contests, a union of 34 clubs across 33 universities in Korea. [Link]
- Main organizer of UCPC 2025, a Korean programming competition with 540 participants. [Link]
- Oversaw problem setting and testing, ensuring accuracy and appropriate difficulty. [Link 1] [Link 2]
- Secured 14 sponsors in total, an increase of 7 from the previous year; new partners included Jump Trading, Krew Capital, HRT, and Channel Corporation.

SKILLS

- Technical Skills: C/C++, Python, Rust, Deep Learning, Git/GitHub, CI/CD
- Domain-Specific Skills: Large Language Models, Quant Trading, Cryptocurrency, Competitive Programming
- Languages: Korean (Native), English (Business Fluency)