

Wonjae Choi

BLOCKCHAIN DEVELOPER · RESEARCHER

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“Study and build”

Education

Yonsei University

B.S. CANDIDATE IN COMPUTER SCIENCE

• 3.6 / 4.5

Seoul, Korea

Mar. 2020 - Aug. 2024 (Expected)

Skills

- Programming** Python(very good), C/C++, Rust, Solidity(good), Go, JavaScript/TypeScript(can do)
- Blockchain** XRP Ledger, Ethereum, Hyperledger Fabric, Solana, Smart Contract
- Web** FastAPI with Python, React
- Others** RDBMS, Redis, Git, Docker, Research, Documentation

Professional Experience

XRPL Swap (DEX Project on XRP Ledger)

CO-FOUNDER & LEAD ENGINEER

- Lead Engineer on Decentralized Exchange Platform at XRP Ledger.
- Architected and designed core concepts, including novel tokenomics for the DEX.
- Represented XRPL Swap at the KBW side event “XRP Ledger XCESS”, pitching the project.
- Secured 1st prize at the Ripple Hackathon for implementing concentrated liquidity using xrpl hooks.

Korea

Aug. 2023 - Present

Catalyze-Research

DEVELOPER RELATIONS, XRP LEDGER KOREA

- Curated and formulated a comprehensive developer curriculum and documentation tailored for Korean XRP Ledger developers.
- Anchored the developer session at the XRP Ledger developer meetup.
- Provided technical support for businesses seeking to incorporate XRP Ledger into their services.

Seoul, Korea

Jul. 2023 - Sep. 2023

Web3Mon (Web3 Initiative)

CONTRACT & BACKEND DEVELOPER

- Crafted and deployed smart contracts using Rust for the Solana blockchain.
- Maintained backend server and conducted research on optimizing virtual state channels.

Korea

Feb. 2023 - Apr. 2023

Contract in Person

QUANTITATIVE DEVELOPER

- Algorithmic Trading:
 - Conceptualized, designed, and instituted trading algorithms leveraging technical analysis and machine learning methodologies.
 - Performed continuous monitoring and fine-tuning of trading bots, adapting to market dynamics.
- DEX Arbitrage:
 - Conducted research on various MEVs, leading to enhanced arbitrage strategies.
 - Developed a cross-DEX arbitrage bot.
- Managed \$400k+ in client assets.

Remote

Oct. 2021 - Jul. 2023

Extracurricular Activity

Decipher

Seoul National University, Korea

JUNIOR MEMBER

Aug. 2023 - PRESENT

- Joined as a member of Decipher, a blockchain society at Seoul National University.
- Actively engaging in advanced blockchain research and solutions development.

Blockchain at Yonsei

Yonsei University, Korea

DEVELOPERS LEAD & BOARD MEMBER & PROJECT MANAGER

Sep. 2022 - Aug. 2023

- Completed two semester activity of Blockchain at Yonsei, a blockchain society based on Yonsei University.
- Drove research initiatives on emerging topics in blockchain and web3 technologies.
- As a developers lead, I have delivered in-depth lectures on Solidity smart contracts and MEV 2 hours for 6 weeks.
- As a board member, I have structured the semester curriculum and presented three blockchain sessions for the regular session.
- Conceptualized, designed, and executed a DEX arbitrage bot leveraging Solidity and Node.js, enhancing trading efficiencies.

Morgorithm (Algorithm Club at Yonsei University)

Yonsei University, Korea

MEMBER

Mar. 2020 - Mar. 2022

- Delved deep into algorithmic challenges, honing problem-solving and coding skills.
- Participated Morgorithm algorithm camp, studied various in-depth algorithms.
- Participated ICPC Sinchon, which is an algorithm competition

Honors & Awards

INTERNATIONAL

2023 **Winner (1st Place)**, XRPL Summer Hackathon | Ripple

Virtual

2023 **Polygon prize**, Ethereum Global Tokyo Hackathon

Tokyo, Japan

DOMESTIC

2023 **1st Place**, Yonsei Computer Science Graduation Project Exhibition

Yonsei University,
Korea

Presentation

Blockchain at Yonsei Regular Session

Seoul, S.Korea

PRESENTER FOR <REGULAR SESSIONS IN BLOCKCHAIN AT YONSEI>

Mar. 2023 - July. 2023

- Bitcoin and Blockchain
- Ethereum and Smart Contract
- Hyperledger Fabric Architecture

XRP Ledger Korea Dev Meetup

Seoul, Korea

PRESENTER FOR <XRP LEDGER DEV SESSION>

Aug. 2023

- Introduced XRP Ledger architecture and technical features.
- Held practice session to help developers on-boarding.

Writing

XRP Ledger Developer Curriculum

XRP Ledger Korea

WRITER

July. 2023 - Sep. 2023

- Planned and designed whole XRP Ledger developer curriculum.
- Conducted research and wrote technical documents of XRP Ledger.
- Made several example projects.
- <https://xrplkorea.org>