

Sueun Cho

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PROFESSIONAL SUMMARY

Research-oriented Blockchain Engineer and CTO with 5+ years of experience in distributed systems, validator infrastructure, and DeFi protocols. Specializes in quantifying market microstructure inefficiencies and developing high-frequency automated trading systems. Deeply committed to advancing blockchain security, consensus mechanism design, and formal verification of decentralized networks.

EDUCATION

University of Maryland, College Park, MD

Bachelor of Science in Computer Science, Minor in General Business | Expected May 2026 | GPA: 3.66 / 4.00
Relevant Coursework: Algorithms, Data Structures, Programming Languages, Computer Systems, Computer Architecture, Formal Languages, Computer Vision

SKILLS

Languages: Solidity (Expert), Rust, Python, TypeScript, Java, C++, OCaml
Front-End: React, TypeScript, JavaScript, Web3.js
Infrastructure / DevOps: AWS, GCP, Docker, Git, Blockchain Node & Validator Operations

WORK EXPERIENCE

- Co-founder | CoinHelio | Remote** Nov 2025 – Present
- Lead crypto data analysis and research to identify market inefficiencies and arbitrage opportunities.
 - Develop real-time data pipelines to aggregate cross-exchange signals and backtest trading algorithms.
- Freelance Blockchain Developer | Kmong Platform** Jan 2020 – Present
- Maintain Prime status (top 2%) on Kmong based on client evaluations and platform metrics.
 - Develop and deploy 10+ Ethereum and Solana smart contracts and token systems (NFT staking, ecosystem contracts) using Solidity and Rust.
 - Architect secure, scalable on-chain architectures and API integrations for non-technical clients.
- Chief Technology Officer, Blockchain Department | B&G Systems Co., Ltd. | Seoul, South Korea** May 2021 – Mar 2024
- Led a 6-member blockchain engineering team and launched products that increased company revenue by 15%.
 - Designed smart contract and backend architectures emphasizing security, gas efficiency, and maintainability.

TECHNICAL PROJECTS

- Alcohol Prevention Research Chatbot | Lead Developer | University of Maryland** Jan 2025 – Present
- Engineer the complete full-stack research platform for an NLP-based chatbot, supervised by Grace Jeonghyun Kim, PhD, handling everything from frontend interfaces to backend logic and database integrity on GCP.
 - Stack: Python, Flask, PostgreSQL, Docker, GCP.
- Story Protocol Validator Node | Node Operator | Remote** Mar 2025 – Apr 2025
- Deployed validator nodes on AWS/Docker, monitoring uptime and performance for reliable network participation.
 - Applied best practices in key management, access control, and observability (AWS, Docker, Linux).
- The-Adena (Blockchain Game) | CTO & Co-founder | Seoul, South Korea** Mar 2022 – Dec 2023
- Led a 2-developer team to build and operate a blockchain game with 3,000+ users and \$170,000+ in revenue.
 - Implemented and audited core smart contracts and token logic, verified on BscScan.
- Gomz Club (NFT Donation Project) | Project Lead | Seoul, South Korea** Apr 2022 – Jul 2023
- Designed and launched a high-profile NFT campaign featuring a public figure, donating 1.25 ETH (~\$2,650) to the animal welfare organization Daon Rescue.
 - Secured national media coverage in major Korean outlets, using NFTs to raise awareness for animal protection initiatives.

PUBLICATIONS

- Introduction to Smart Contracts with Solidity [Solidity 로 시작하는 스마트 컨트랙트 입문]**
- Sole author of a comprehensive 260-page technical manuscript on smart contract security and optimization.
 - Full draft is open-sourced on GitHub; submission to a Korean technical publisher is scheduled for March 2026.

LEADERSHIP & ACTIVITIES

- Developer | University Church, College Park, MD** Mar 2025 – Present
- Engineer and maintain the full-stack website and server infrastructure (Flask, PostgreSQL) to support community outreach.
- Blockchain Research Leader | Blockchain at Maryland** Feb 2025 – Present
- Lead student research in Web3, including on-chain data analysis and protocol case studies, and organize technical workshops.
- Tech Leader | Korean Undergraduate Student Association (KUSA), University of Maryland** Aug 2024 – Present
- Built KUSA's first website and currently lead technical initiatives using Flask, JavaScript, and PostgreSQL.

AWARDS & HONORS

- OMSE Academic Excellence Society (OAES) Member | University of Maryland**
- Recognized for academic excellence and leadership.
- Smart Contract Excellence Award, B&G Systems Co., Ltd.**
- Awarded 1st Place for architecting a Solidity contract that optimized gas consumption by 13%.