

Woojong Koh

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Profile

CEO and Founder of Cowork AI, focusing on building Agentic AI and LLM-driven trading systems for US equities and cryptocurrencies. Previously an Entrepreneur in Residence at Hashed exploring web3 projects, and a Software Engineer at Waymo deploying vision-based machine learning systems directly to the autonomous fleet.

Experience

Cowork AI, Inc.

CEO & Founder

Nov 2022 – Present

Seoul, South Korea

- Founded Cowork AI to build Agentic AI and LLM-driven trading systems for US equities and cryptocurrencies.
- Launched the **Fred MCP Server**, an integration layer that seamlessly connects foundation models to real-time financial feeds, technical indicators, and alternative data like Reddit and Truth Social.
- Supplied the Fred MCP Server to Kakaopay Securities, powering Korea's first AI mobile trading feature that autonomously researches and explains the causes behind sudden stock price movements.
- Deployed **Project Hayes**, an autonomous Agentic Trading system actively powering Cowork AI's proprietary trading by monetizing 2nd and 3rd-order market effects ("Information Diffusion") using Knowledge Graphs, RAG, and Chain-of-Thought reasoning.
- Released **Fred RAG Agent**, an enterprise-grade, on-premise Agentic RAG solution for financial and accounting firms to securely query proprietary documents alongside live market data.

Hashed

Entrepreneur in Residence

Oct 2021 – Mar 2022

Seoul, South Korea

- Explored and developed web3 and crypto projects.
- Launched **Pass the Baton**, an ERC-721 NFT art project on Ethereum designed as a sustainable platform for charitable giving.
- Operated as a two-person development team, personally architecting and writing half of the production Solidity smart contracts.

Waymo LLC

Software Engineer

May 2016 – Jun 2021

Mountain View, CA

- Deployed vision-based detection systems to the self-driving fleet, unblocking new driving areas by classifying unique, dynamic traffic signals (e.g., time-based/LED school zone signs, temporary construction signs).
- Co-invented and patented a machine learning system for autonomous vehicles to detect, classify, and respond to unfamiliar traffic signs in real-time (US Patent 10,928,828).

Nexon Corp.

Software Engineer (Alternative Military Service)

Sep 2006 – Apr 2009

Seoul, South Korea

- Full-stack developer for **MapleStory**, a blockbuster 2D side-scrolling MMORPG with over 100M subscribers worldwide.
- Developed a C++/DirectX 3D game client, an IOCP-based highly-concurrent game server, and managed large-scale databases using Transact-SQL.
- Participated in the development of a new 3D MMORPG utilizing Unreal Engine 2.5.

Education

University of California, Berkeley

Ph.D. Candidate (On Leave) in Computer Science

Aug 2012 – May 2016

Berkeley, CA

- Completed all coursework and preliminary examinations; currently on leave.

University of California, Berkeley

M.S. in Computer Science

May 2016

Berkeley, CA

- Thesis: *View-Dependent Adaptive Cloth Simulation*

Seoul National University

B.S. in Computer Science and Engineering

Feb 2012

Seoul, South Korea

- Graduated **summa cum laude**.

Technical Skills

- **Agentic AI & Protocols:** Multi-Agent Systems (MAS), MCP, A2A, Google ADK, Gemini CLI, RAG, Knowledge Graphs.
- **ML & Infrastructure:** vLLM, llama.cpp, PyTorch, TensorFlow, Vertex AI, Vector Databases (pgvector, SQLite-vector).
- **Software & Cloud:** Go, Python, C++, Solidity, gRPC, ConnectRPC, Docker, Nix, PostgreSQL, SQLite, Alpaca API, GCP (Cloud Run, GCE), HTMX, Alpine.js.

Selected Publications

- **View-Dependent Adaptive Cloth Simulation.** Woojong Koh. Master's Thesis, EECS Department, University of California, Berkeley, Technical Report No. UCB/EECS-2016-5, January 2016.
- **View-Dependent Adaptive Cloth Simulation with Buckling Compensation.** Woojong Koh, Rahul Narain, and James F. O'Brien. IEEE Transactions on Visualization and Computer Graphics (TVCG), October 2015.
- **View-Dependent Adaptive Cloth Simulation.** Woojong Koh, Rahul Narain, and James F. O'Brien. ACM SIGGRAPH/Eurographics Symposium on Computer Animation (SCA), July 2014.
- **Near-exhaustive Precomputation of Secondary Cloth Effects.** Doyub Kim, Woojong Koh, Rahul Narain, Kayvon Fatahalian, Adrien Treuille, and James F. O'Brien. ACM SIGGRAPH 2013, July 2013.