

# Woojong Koh

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## Profile

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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

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### Cowork AI, Inc.

*CEO & Founder*

**Nov 2022 – Present**

*Seoul, South Korea*

- Founded Cowork AI to build Agentic AI and LLM-driven trading systems, bridging the gap between foundation models and live financial markets.
- **B2B Enterprise AI (Fred MCP & RAG)**
  - Supplied the **Fred MCP Server** to **Kakaopay Securities**, successfully powering Korea's first AI mobile trading feature that autonomously researches and explains sudden stock price movements.
  - Released **Fred RAG Agent**, an on-premise solution enabling financial/accounting firms to securely query proprietary documents alongside live market data.
- **Proprietary AI Trading (Project Hayes)**
  - Architected and deployed an autonomous Agentic Trading system actively managing Cowork AI's proprietary capital.
  - Monetizes 2nd and 3rd-order market effects using Knowledge Graphs, RAG, and Chain-of-Thought reasoning.

### 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

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### 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

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- **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

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- **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.