# Hun (Donghun) Kim

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## EDUCATION

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| **Harvard University - Graduate School of Design** | **05/2026** |
| *Master in Design Engineering* | *Cambridge, MA* |
| **Seoul National University (SNU)** | **08/2024** |
| *B.S. Computer Science and Engineering, B.F.A. Visual Communication and Design* | *Seoul, Korea* |

## RESEARCH EXPERIENCE

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| **Human-Computer Interaction Lab (Seoul National University)** | **Seoul, Korea** |
| *AI Research Intern* | *07/2023 - 12/2023* |

- Researched methodologies for designers to leverage AI in the creative process and submitted a paper titled "Designing A Drawing Interface For Crafting Visual Inputs That Aid Text-to-Image Generation" to DIS 2024.
- Researched data visualization strategies for analyzing Continual Learning and submitted a paper titled "CLeVer: Continual Learning Visualizer for Detecting Task Transition Failure." to PacificVis 2024.

## WORK EXPERIENCE

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| **Dalpha (AI Subscription B2B SaaS Startup)** | **Seoul, Korea** |
| Product Owner | *03/2024 - 07/2024* |

- Led the development of an internal administrator system named "dalpha-ops-admin" that analyzed how customers use their purchased AI models, supporting data visualization of subscription usage patterns.
- Led a team of developers to create a Feedback Loop System for Dalpha's search AI products by leveraging Qdrant's API and Redis Cache, allowing users to experience a customizable smart search engine.

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| **Linq (Techstars'23 Startup)** | **Seoul, Korea** |
| Software Engineer & Product Designer | *12/2023 - 03/2024* |

- Developed dashboard pages for managing vector databases and generating automated documents that streamline the process of resolving customer support issues

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| **Hyphen Labs (Techstars'23 Startup)** | **San Francisco, CA** |
| Developer | *12/2022 - 03/2023* |

- Built an institutional DeFi trade platform with Sepior's MPC (Multiparty Computation) solution that allowed the user and the institution each to own a shard of key for securely managing user's blockchain wallet.

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| **Naver Smart Studio Alto TF (WYSIWYG Content Editor Platform)** | **Gyeonggi, Korea** |
| Developer | *06/2022 - 12/2022* |

- Implemented algorithms to optimize the performance of NAVER's open-source document store, Yorkie, an SDK for building collaborative editing applications
- Set practices for implementing CRDT algorithms in a multiplayer whiteboard using a multi-layer approach.

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| **Whoyaho Corp. (Entertainment Mobile App Startup)** | **Seoul, Korea** |
| Developer | *06/2021 - 02/2022* |

- Devised strategies for implementing advertisement-reward system to Whoyaho's 'Fidget Town' PVP board game app (over 1 million downloads as of 2022/07/12) and deterring abusive users intending to exploit the system.
- Developed management web solutions for published applications of Whoyaho, allowing user management and scheduled item updates for mobile applications.

## PUBLICATIONS

Minsuk Chang, **Donghun Kim**, Hyeon Jeon, Seokweon Jung, Prof. Jinwook Seo. (2024). CLeVer: Continual Learning Visualizer for Detecting Task Transition Failure. 2024 IEEE 17th Pacific Visualization Symposium (PacificVis)

**Donghun Kim** & Mingu Lee (2021) A Study on Web App Service Design Reading the Personality of One's Acquaintance Targeting 20s Based on Enneagram, *the HCI Society of Korea's Academic Conference*, p.p. 227-232

## SKILLS

**Languages:** Typescript (Nest.js, Node.js, React.js, Next.js, D3.js, P5.js), Python (Pytorch), C# (Unity)
**Open-source projects**: Dotting (pixel-art editor), Yorkie (CRDT document store), libplanet (Unity Blockchain SDK)