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| **CHEOLHEE PARK** | | | ㅤ  [EN](https://parkcheolhee-lab.github.io/cv-en.pdf) | [KR](https://parkcheolhee-lab.github.io/cv-kr.pdf) |
| +82 10 9248 2485 | park112368@gmail.com  <https://parkcheolhee-lab.github.io/testbed/>  <https://github.com/parkcheolhee-lab> | | | **Updated Sep 2025** |
| **BRIEF INTRODUCTION**  While majoring in architecture, I used geometry as a common language for design and communication, and later developed this background through practical experience in the PropTech startup. These experiences naturally expanded my interest in data-driven design, design optimization, and geometric deep learning to solve complex design problems | | | |
| **WORK EXPERIENCE**  **Computational Designer** *@ Spacewalk* | | | **Jan 2022 - present** |
| * Implemented geometry and spatial data processing pipelines * Conducted research to productionize geometric algorithms for deployment in real-world applications * Contributed to PlanNext, an LLM-based office layout generation automation engine that automates workspace planning to integrate text-based user requirements into the generative process ㅤ * Rebuilt and advanced LBDeveloper engine for apartment design feasibility analysis, integrating building law and optimization design algorithms ㅤ * Developed, advanced, and maintained the architectural design exploration engine of Landbook, a platform providing property data and a one-click solution that automates feasibility analysis and schematic planning  ㅤ * Developed third-party plugins used in Rhino Grasshopper for in-house architects (BOUNDLESS Architects) * Created and managed Tech Blog showcasing computational design projects and research | | | |
| **Architectural Designer** *@ S.E.A Architects* | | **Jun 2019 – Jul 2019** | |
| * Assisted in preparing design drawings and visualizations * Conducted design studies, including site analysis, scale feasibility, and compliance with building codes * Participated in architectural competitions, contributing to concept design and schematic proposals | | | |
| **TECHNICAL STACK**  **Machine Learning:** Python, PyTorch, TorchGeometric, HuggingFace **Geometry:** Shapely, Three.js, Trimesh, Rhino, Grasshopper, Revit, AutoCAD **Frontend:** Javascript, Typescript **Database:** PostgreSQL, PostGIS **DevOps:** AWS S3, EC2, ECR, Docker, Github Actions **Collaboration:** Git, Github, JIRA, Slack **API Development:** FastAPI, Flask | | | |
| **EDUCATION**  **Korean National University of Transportation**  Bachelor of Architecture - BArch  GPA: 3.84 / 4.50  **Mar 2013 - Feb 2021Mar 2025 – Present**  **Korean National Open University**  Bachelor of Computer Science - BCS  3rd Year Transfer | **CERTIFICATION**  **ENCORE Playdata**  Project-Based Training Program for Data Scientists  Certificate of Completion  **May 2021 - Nov 2021** | | |