

DONGJOON PARK

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Education

Sep 2024 – Present	Seoul National University , Seoul, Republic of Korea Master's Candidate, Department of Architecture & Architectural Engineering Expected Graduation: August 2026
Aug 2024	Yonsei University , Seoul, Republic of Korea Bachelor of Science in Urban Planning & Engineering / Interior Architecture (Double Major)

Publications

2026	Lee Sunjae, Park Dongjoon and Kang Bumjoon. (2026). Spatial analysis of urban shrinkage: A scoping review of methodological and analytical gaps. <i>International Journal of Urban Sciences (IJUS)</i> .
Apr 2026	Byun Sanghoon, Park Dongjoon. (2026). A geometry-Based Computational Assessment of Parcel-Level Redevelopment Feasibility in Seoul. <i>CAADRIA 2026</i> , Taiwan.
Dec 2025	Park, Dongjoon, Lee Sunjae and Kang Bumjoon. (2025). Development of an AI-Driven Imputation Model for Floor Area Ratio Missing Data Incorporating Parcel-Level Spatial, Temporal, and Land Use Variables. <i>Journal of the Architectural Institute of Korea</i> , 41(12), 35-45. Interactive visualization: Link
Apr 2025	Park, D., & Kang, B. (2025-04-23). Analyzing Missing Patterns of Spatial Variables in Building Administrative Data and Estimating Floor Area Ratio Missing Values Using Integrated RF-INLA Model. <i>대한건축학회 학술발표대회 논문집</i> , 서울.

Under Review & Forthcoming

Under Review	Lee Sunjae, Kim Jungwoo, Park Dongjoon, Kang Bumjoon. Auditing Vacant-Housing Grades with Street-View Imagery, Computer Vision, and Criterion-Referenced LLMs. <i>Computers, Environment and Urban Systems</i> . (Under review)
Ongoing	Park Dongjoon, Lee Sunjae, Kim Jungwoo, Kang Bumjoon. From Usable to Suitable: A Street View Imagery Curation Pipeline for Vacant House. <i>Environment and Planning B: Urban Analytics and City Science</i> . (In preparation)
	Park Dongjoon, Lee Sunjae, Kim Jungwoo, Kang Bumjoon. Development of an Algorithm for Identifying Target Buildings in Street View Imagery (SVI). <i>Computers, Environment and Urban Systems</i> . (In preparation)

Research Projects

2025	Data Processing and Analysis An, Euisoon, Heo Hangyul, Nam Kichun, Kang Bumjoon, Lee Sunjae, Park Dongjoon. (2025). Research on Improving Building Data Quality Using Artificial Intelligence. <i>Architecture & Urban Research Institute (AURI)</i> . Official research report: Link
Jul 2023 – Dec 2023	Data Analysis and Presenter Research on Housing Burden Using the PIR Index (Graduation Project), Yonsei University Analyzed PIR (Price to Income Ratio) by administrative district in Seoul using R, Python, and Q-GIS

Awards & Honors

2025	Best Presentation Award, Architectural Institute of Korea Conference
2023	Graduation Project Excellence Award & Alumni Association Award, Yonsei University Academic Excellence Award, Department of Urban Planning & Engineering, Yonsei University

Research & Professional Experience

Aug 2024 – Present	Member LAUS (Lab for Architectural & Urban planning), Seoul National University Advisor: Prof. Bumjoon Kang • FAR imputation model for building registry data (Published) • Scoping review on spatial units in urban shrinkage studies (Under revision) • Data consistency assessment between building registry and permit data (AURI commissioned project, Published) • Lab data management and multiple research workshops
Dec 2023 – Feb 2024	Intern EAN RNC (Construction company specializing in high-end buildings), Seoul • Construction site management at The Nature Holdings Office Building (Yongsan)
Mar 2023 – Jun 2023	Undergraduate Research Assistant Urban Housing Lab, Yonsei University Advisor: Prof. Seungbeom Kang • Project: Analyzing Spatiotemporal Patterns of Rental Transaction Prices after the Implementation of Non-Spatial Rent Regulations in South Korea • Analyzed real estate transaction data to calculate RIR indices at the district (Si/Gun/Gu) level nationwide • Utilized R and Python for data processing
Jul 2022 – Oct 2022	Undergraduate Research Assistant Environmental Spatial Informatics & Disaster Prevention Lab, Yonsei University Advisor: Prof. Dong Keun Yoon • Project: Development of Scenario and Equipment for Evacuation and Sheltering and Protective Technologies in Complex Radioactive Incidents • Simulated optimal evacuation routes for various disaster scenarios in the Gyeongsangnam-do region using Q-GIS

Workshops

Jun 2026	Applied Generative AI for Geographic and Urban Planning Research: A Hands-on Lab Workshop Instructor: Prof. Junghwan Kim (Virginia Tech)
Jul 2025 – Aug 2025	Automated Design Workshop with Grasshopper Instructor: Sanghoon Byun (Former Flexity, Automated Design Company)
Dec 2024 – Feb 2025	R Spatial Analysis Basics Workshop Instructors: LAUS Research Team, Seoul National University
Dec 2024	Short Course on R Programming Instructor: Prof. Junho Song (Graduate School of Convergence Science and Technology / Department of Civil and Environmental Engineering, Seoul National University)

Scholarships

Jan 2025 – Jul 2026	Moonju Scholarship Foundation Scholarship
Aug 2024	Excellence Admission Scholarship, Department of Architecture & Architectural Engineering (DAAE), Seoul National University

Skills & Certificates

Technical Skills	Python, R, Q-GIS, AutoCAD, Rhino Grasshopper
Languages	Korean (Native), English (Advanced, TOEFL iBT 103)

References

Prof. Bumjoon Kang

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Prof. Robin Eunju Kim

Professor, Department of Architecture & Architectural Engineering, Seoul National University
Computer Vision & AI Course Instructor
Email: robinekim@snu.ac.kr

Dr. Euisoon An

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