

Curriculum Vitae

 [Website](#) |  [ORCID](#)

Department of Geography, University of Washington, Seattle, United States

Phone: +82)10-7266-3795 | E-mail: vs5345@uw.edu

EDUCATION	Ph.D. Student in Geography , University of Washington (Seattle), United States	Sep 2025~
	M.A. in Geography Education , Seoul National University (SNU), South Korea	Mar 2022~ Feb 2024
	■ Thesis: <i>A Study on Internal Migration Modeling based on Spatial Demographic Perspective: Utilizing Cross-classified Multilevel Model</i> [in Korean]	
	■ Committee: Dr. Jungyeop Shin (Chair), Dr. Sang-Il Lee (Advisor), Dr. Daeheon Cho	
	■ GPA: 4.26/4.3	
	■ Full-tuition scholarship and stipend	
	B.A. in Geography Education , SNU	Mar 2016~ Feb 2022
	■ GPA: 3.90/4.3 (<i>summa cum laude</i>)	
	■ Certificate: Secondary Teacher Certification (Geography)	
PROFESSIONAL EXPERIENCE	Center for Educational Research , Seoul, Korea	Jun 2024- Present
	<i>Manager</i>	
	■ Organizing and running Academic Conferences	
	■ Managing Research Grants	
	Association of Korean Geographer	Nov 2021- Feb 2023
	<i>Administrative Manager</i>	
	■ Organizing and running Academic Conferences	
	Republic of Korean Army , Yangju, Korea	Feb 2018- Sep 2019
	<i>Sergeant, Terrain Analysis Team*</i>	
	■ Managing and Analyzing Military Spatial Data (Using ArcGIS)	
	* One of the subspecialties in Combat Engineer MOS	
RESEARCH INTEREST	Research Topic	
	■ Spatial Demography, Spatial Variation in Demographic Process, Health Geography, Migration, Marginalized communities	
	Methodology	
	■ Mixed Methods, Spatial Analysis, Geographic Information Science, Multilevel Model, Interviews	
PUBLICATIONS	Peer-reviewed	
	Kim, S., & Lee, S. I. (2025). An Extension of Migration Effectiveness Indices: Accounting for the Impact of Migration on Population Structure. <i>Population, Space and Place</i> , 31(5), e70049. https://doi.org/10.1002/psp.70049	
	Lee, S. I., Go, B., Koh, J., Kim, S., Kim, W., & Lim, C. (2025). Development of a programming-based instructional program to enhance digital competency of pre-service social studies teachers. <i>Journal of Educational Technology</i> , 41(1), 79-109. https://doi.org/10.17232/kset.41.1.79	
	Lee, S. I., Lee, S., & Kim, S. (2024) A Multi-Scale Analysis of Age-Specific Migration Unidirectionality in South Korea. <i>Journal of the Korean Geographical Society</i> ,	

59(5), 656-672. <https://doi.org/10.22776/kgs.2024.59.5.656>

Kim, S., Lee, S., & Cho, D. (2024) Exploring the impact of Youth Migration on Population. *Journal of the Korean Cartographic Association*, 24(2), 73-88.
<https://doi.org/10.16879/jkca.2024.24.2.073>

Lee, S., Lee, S. I., & **Kim, S.** (2023) Secondary Social Studies Teachers' Perception and Training Demand for AI-based Education. *Journal for Learner-Centered Curriculum and Instruction*, 23(7), 743-759.
<https://doi.org/10.22251/jlcci.2023.23.7.743>

Under Review

Lee, Y., **Kim, S.**, Kim, E., Nam, H., & Yoon, J., (submitted). Exploring Spatial Disparities in Health-Screening Rates among Individuals with Intellectual Disabilities: A Mixed Geographically Weighted Regression Approach

Lee, Y. & **Kim, S.** (submitted). Exploring the Impact of Mental Health and Local Factors on High- Risk Drinking: A Geographical Approach.

Manuscript in Preparation

Kim, S. (writing). Capturing Age Selectivity: A Cross-Classified Multilevel Model of Internal Migration Dynamics.

ACADEMIC

International

PRESENTATIONS

Kim, S. (2024). Capturing Age Selectivity: A Cross-Classified Multilevel Model of Internal Migration Dynamics in 2024 AAG Annual Meeting (Honolulu HI, 20 April 2024)

Lee, S. I. & **Kim, S.** (2024). Measuring the Impact of Internal Migration on Changes in Population Structure in 2024 AAG Annual Meeting (Honolulu HI, 20 April 2024)

Domestic

Lee, Y. & **Kim, S.** (2023). Exploring the Impact of Mental Health and Regional Factors on High-risk Drinking. 3rd Joint Conference on Identifying and Addressing Regional Health Disparities (Seoul, 27 September 2023)

RESEARCH EXPERIENCE

National Geographic Information Institute (NGII)

Co-Investigator

- Developing Interactive National Atlas for Youth
 - Funded by NGII / PI: Dr. Sang-Il Lee

Sep 2024-
Dec 2024

Korea Disease Control and Prevention Agency (KDCA)

Co-Investigator

- Exploring the Impact of Mental Health and Regional Factors on High-risk Drinking
 - Funded by KDCA / PI: Dr. Yeongseo Lee

May 2022-
Feb 2023

Statistics Korea

Research Assistant

- A Study on the Improvement of Methods for Regional Migration Projections
 - Funded by Statistics Korea / PI: Dr. Sang-Il Lee

Apr 2022-
Dec 2024

College of Education, SNU

Research Assistant

- Support for AIEDAP projects to strengthen teachers' AI and digital capabilities
 - Funded by SNU / PI: Dr. Cheolil Lim
- Development of training programs for secondary social studies teachers of big data and AI competency
 - Funded by SNU / PI: Dr. Sang-Il Lee
- Development of Geography Education Contents through the Integration of Geography and Architecture

Mar 2024-
Aug 2024

Sep 2021-
Jun 2022

Oct 2022-
Sep 2024

- Funded by SNU / PI: Dr. Seug Hee Shim
- A study on the Ubiquitous Based Learning Cloud (UBLCLOUD) platform and the usability of the Attentional AI Supervisor
 - Funded by NSDevil Inc. / PI: Dr. Sunhee Kim

Mar 2022-
Aug 2022**Gyeonggi Research Institute****Research Assistant**

- “The Outcomes and Development Measures of Gyeonggi-Do Architectural Master Plan (Follow-up Study)”
 - PI: Dr. Nam Ji-Hyeon

Nov 2016-
Dec 2016**TEACHING
EXPERIENCE****Teaching Assistant**, Department of Geography Education, SNU

- Cartography (700.231 001, UG) Spring 2022
 - Developed and provided lab sessions using QGIS (5 lectures)
 - Provided feedback on student projects. Responsible for grading assignments and exams
- Multivariate Analysis of Geospatial Data (713.640A 001, Graduate)
 - Managed class preparation and attendance; coordinated the proceedings of presentations
- Geographic Information System and Geography Education (713.432 001, UG) Fall 2022
 - Developed and provided lab sessions using QGIS (8 lectures)
 - Provided feedback on student projects. Responsible for grading assignments and exams
- Spatial Autocorrelation and Spatial Regression (713.641A 001, Graduate)
 - Managed class preparation and attendance; coordinated the proceedings of presentations
- Designing Social Contents for AI Convergence Education (M3450.001400, Graduate)
 - Managed class preparation and attendance; coordinated the proceedings of presentations
- Population Geography (713.226A 001, UG) Spring 2023
 - Developed and provided lab sessions using R (6 lectures)
 - Developed and provided lab sessions using QGIS (8 lectures)
- Population Geography Seminar (713.631 001, Graduate)
 - Managed class preparation and attendance; coordinated the proceedings of presentations
- Spatial Data Analysis and Geography Education (713.436 001, UG) Fall 2023
 - Developed and provided lab sessions using R (6 lectures)
- Analysis of Spatial Interaction Data (713.641A 001, Graduate)
 - Managed class preparation and attendance; coordinated the proceedings of presentations
- Designing Social Contents for AI Convergence Education (M3450.001400, Graduate) Spring 2024
 - Developed and provided lab sessions using R (8 lectures)

Instructor■ **GIS session***Topic: Understanding of Region with Population Structure (Using QGIS)*

- Korea Aerospace University, Goyang, Korea (2 lectures) 2021-2022
- Garak High School, Seoul, Korea (4 lectures) 2020-2023

■ **Community Mapping Session***Topic: Envisioning a Barrier-free World with Community Mapping*

- Bokjeong High School, Sunnam, Korea (3 lectures) 2022-2024
- Sampyung Middle School, Sunnam, Korea (2 lectures) May, Dec 2023
- Hyundai High School, Seoul, Korea Jul 2023

■ **Interactive Map Session***Topic: How can Interactive Maps be used in Geography Education?*

	<ul style="list-style-type: none"> National Geographic Information Institute 	Aug 2024
	Teaching Practicum <ul style="list-style-type: none"> Geography, Seoul National University Middle School, Seoul, Korea 	May 2021
EXTRA-CURRICULAR	Pre-service Teacher Training Program for Developing AI & Digital Competency , SNU <ul style="list-style-type: none"> Developing practical training program using R programming 	Aug 2024
	Teacher Training Program for Remote Education Competence , College of Education, SNU <ul style="list-style-type: none"> Developed a program titled “<i>Visualizing social statistics using GIS and Python</i>” designed for delivery via Zoom.” 	Dec 2020
	Peer Group Seminar , Faculty of Liberal Education, SNU <ul style="list-style-type: none"> <i>Lead student</i>, “Geo-Visualizing the Outcome of the 19th Presidential Election: Applying GIS” 	Fall 2017
AWARDS	The Korean Cartographic Association Excellent Paper Award, “ <i>Fall Conference of the Korean Cartographic Association (2024)</i> ”	
	Association of Korean Geographer Best Graduate Student Award, “ <i>Fall Conference of Association of Korean Geographer (2023)</i> ”	
	Faculty of Liberal Education, SNU Encouragement Award, “ <i>Liberal Arts Course Students Want</i> ” Competition (2020)”	
	Ministry of Education Selected as “ <i>Outstanding Volunteer Education Program (2017)</i> ”	
	Global Innovator Festa Encouragement Award, “ <i>Make-A-Thon for Community Mapping (2016)</i> ”	
Research Grants & Scholarships	Research Grants	
	Korean Disease Control and Prevention Agency Title: Exploring the Impact of Mental Health and Regional Factors on High-risk Drinking Duration: May 2022 – Feb 2023 TDC: 3,000,000 KRW (3,000 USD) Role: Co-Investigator	
	National Geographic Information Institute (NGII) Title: Developing Interactive National Atlas for Youth Duration: Sep 2024 – Dec 2024 TDC: 20,000,000 KRW (20,000 USD) Role: Co-Investigator	
	Scholarships	
	Seoul National University Type: Graduate Student Instructor (GSI) Role: Teaching Assistant (TA) and Research Assistant (RA) Duration: Spring 2022 – Fall 2023 (for 2 years) TDC: 17,405,000 KRW (17,000 USD)	
LEADERSHIPS	Lead Mentor , Geo-Mentoring Volunteer Program, College of Education, SNU	Summer 2020
	President , GIS Club, Department of Geography Education, SNU	Spring 2017-Fall 2017, Spring 2020-Fall 2020

SKILLS	Data Analysis: R, QGIS, ArcGIS, MS Office, Python, SPSS
AND	Language: English (advanced, TOEFL Score 103), Korean (native)
CERTIFICATES	Certificate: Teacher's License in Geography (Regular Teacher in Secondary School) - Certificated by the Ministry of Education and SNU
