JIYOON KIM
+1 213 364 7230 • kimjiyoo@usc.edu

EDUCATION

University of Southern California   Los Angeles, United States
Ph.D. in Urban Planning and Development   *May 2028 (expected)*

University of Southern California   Los Angeles, United States
Master of Urban Planning   *May 2023*
- Dean's Merit Scholarship (2021-2023)
- Lowdon Wingo Prize (2023): Awarded to a graduating Planning student for exemplary academic achievement

University of Essex, Writtle College   Essex, United Kingdom
Master of Arts in Garden Design   *September 2017*
- Thesis: "Creating Restorative Public Spaces in Urban Centres: The Vauxhall Station Urban Garden Case"

Seoul National University   Seoul, South Korea
Bachelor of Landscape Architecture, Bachelor of Architecture   *August 2015*
- Completed 5-year Bachelor of Architecture Degree Program accredited by the Korean Architectural Board
- Academic Excellence Award (2015), Encouragement Award in Korean Landscape Design Award (2014), Presentable Idea in Landscape Design (2012), Academic Merit Scholarship (2009, 2011)

RESEARCH EXPERIENCE

USC Urban Data Lab   Los Angeles, United States
Research Assistant, Director: Dr. Geoff Boeing   *August 2024 – current*
- Global Observatory of Healthy and Sustainable Cities (GOHSC)
  - Conducted software test and user experience evaluation of GHSCI v4.6.0.
  - Researched policy documents and completed the Policy Checklist for Los Angeles Metropolitan Area GOHSC report.

USC Lusk Center for Real Estate   Los Angeles, United States
Research Assistant, Director: Dr. Richard K. Green   *June 2024 – August 2024*
- Neighborhood Data for Social Change (NDSC) – Proposed a new data set to measure neighborhood green coverage, calculating NDVI with high resolution satellite imagery in Google Earth Engine.
- State of Los Angeles County Housing & Neighborhoods (SOLACHAN) – Conducted research on affordable housing policies and reports, including Housing Element Annual Progress Report (APR) Data, Assessor Parcel Data, and RAND's Feasibility of Building a Housing Stock Tool.

The Spatial Analysis Lab at USC Price (SLAB)   Los Angeles, United States
Research Assistant, Director: Dr. Annette M. Kim   *May 2022 – August 2023*
- Interactive Space/Time Maps – Design a teaching website for high school students to understand the history of their communities in Los Angeles
  - Utilize Python in ArcGIS Pro to optimize and clean the existing past decades of Los Angeles building footprint data
  - Produce an Indigenous Tongva map using Adobe Illustrator in collaboration with Professor Pamela Munro
  - Georeference Indigenous Tongva, Rancho, and Sanborn Maps to overlay and compare with current maps
  - Assemble and georeferenced 1940s Sanborn Maps of Santa Monica to research changing trends of where African Americans lived and worked prior to the 1950s urban renewal
- Cooperate with the 18th Street Art Center to publish an online biography of Thelma Terry, an African American recreation leader in Santa Monica by collecting historical materials and writing content

The Center for Economic and Social Research (CESR)   Los Angeles, United States
Research Assistant, Director: Dr. Arie Kapteyn   *May 2022 – May 2023*
- Understanding America Study (UAS) - Design a survey and collect data for academic study throughout the U.S.
  - Geocode air quality data from the Environmental Protection Agency (EPA) and from the UAS to check the reliability of the UAS air quality monitors
  - Analyze the relationship between objective and subject measures of air quality

- LABarometer – Design a survey of Los Angeles County residents and create measurements for contextual data
  - Calculate NDVI indexes using satellite imagery and zonal statistics in ArcGIS Pro
  - Create Census Block unit data of tree canopy coverage via a geographic crosswalk analysis of parcel geographic unit data from Tree People to merge with LABarometer sustainability survey responses
  - Collect and geocode all of Los Angeles County's public transit information and analyze the public transit infrastructure for each Census Block using ArcGIS Pro's spatial join and service area analysis

Sol Price Center for Social Innovation   Los Angeles, United States
Research Assistant, Director: Dr. Gary Painter   *February 2022 – May 2023*
- Neighborhood Data for Social Change (NDSC) – Design an online platform providing trends, challenges, and opportunities of Los Angeles neighborhoods to support local policy
  - Utilize data sets from various sources (US Census Bureau, Los Angeles Police Department, Statewide Integrated Traffic Records System, etc.) to develop key trends and analytics of the Los Angeles County neighborhoods by programming STATA codes and spatial analyzing in ArcGIS Pro
  - Develop a process narrative of uploading data on the NDSC website to provide clear instructions and controls for current and future team members
  - Conduct literature reviews to contextualize the importance of data sets and upload Learn More Page on the NDSC website by using Microsoft Azure
- South Los Angeles Transit Empowerment Zone (Slate-Z) – Create a data dashboard website for the Slate-Z to revitalize South L.A.
  - Accumulate and process vital bike lane data from the City of Los Angeles and LA Metro and provide detailed analysis for each census tract using ArcGIS Pro
  - Analyze traffic collision data involving pedestrians and bicyclists for transit safety
  - Calculate tree canopy coverage and existing tree counts to measure the walkability of the SLATE-Z area
  - Design interactive dashboards using Tableau to visualize data and key takeaways

TEACHING EXPERIENCE

The Urban Context for Policy and Planning (PPD 245G)   University of Southern California
Teaching Assistant   *Fall 2024*
- Assisted Professor Marlon Boarnet in facilitating Zoom meetings, group advising, and group discussions.
- Organized office hours to support students with their questions and assignments and graded assignments and exams.

Urban Spatial Ethnography and Critical Cartography (PPDE 636)   University of Southern California
Course Builder   *Fall 2022*
- Assisted Professor Annette Kim in facilitating Zoom meetings and breakout discussions for students to collaborate on assignments and projects with their collaborators
- Prepared ArcGIS Pro lab materials including various Los Angeles neighborhood shapefiles and 2020 Census data in Census Tract, Block Group, and Block scales cleaned by STATA
- Revised process narrative instructions for how to import spatial and excel data and to analyze data sets in ArcGIS Pro
- Debugged students' data submissions for their final project

Introduction to Real Estate (RED 200)   University of Southern California
Teaching Assistant   *Spring 2022*
- Assisted Professor John Loper in delivering an engaging and informative curriculum
- Organized office hours to support students with their questions and assignments on Pro Forma and financial analysis in Excel
- Prepared the classroom and organized for instruction whether in person or virtual

Space Design Studio   Seoul National University
- Guest critic for final design studio presentation of second-year landscape architecture students   *October 2021*

Landscape Architectural Design Studio 2   Seoul National University
- Guest critic for mid-term presentation on students' design project   *May 2020*

Landscape Architectural Design Studio 2   Seoul National University
- Guest lecturer for "Landscape Design Strategies"   *May 2020*

WORK EXPERIENCE

J Landscape   Seoul, South Korea
Director   *July 2020 - May 2022*
- Yeongju Diversity Community Center in Yeongju, South Korea – Landscape Design Project
  - Designed landscape to extend the indoor program to encompass an outdoor space to improve the interaction of the community and users who are mainly immigrants and foreign workers
  - Directed all stages of design from the planning phase to construction drawings
  - Implemented barrier-free designs dedicated to people with disabilities

- Jeonju Nambu Market in Jeonju, South Korea – Market Street Renovation Project
  - Arranged market street renovation with an emphasis on ecological diversity to interact with nearby waterfronts
  - Designed street plans to improve pedestrian safety

Cameron Gardens   London, United Kingdom
Assistant Senior Garden Designer   *September 2019 - September 2020*
- Whiteley's Development in London, United Kingdom – Landscape Design Project for Luxury Hotel and Residential Space
  - Developed design concepts and incorporated with an architectural scheme for a feasible design
  - Included native plants into the garden design to promote sensitivity and sustainability
  - Collaborated with architects, interior designers, structural engineers, and historical preservation consultants during the development phase to design aesthetically pleasing gardens

- Mayfair Park Residence in London, United Kingdom – Landscape Design Project for Terraces and Rooftop Garden
  - Coordinated with the project team to ensure the landscape proposal accommodated all party requirements
  - Prepared all production drawings, schedules, and specifications of materials and workmanship required for the construction works

- New IFC Tower in Mumbai, India – Landscape Design Project for Commercial Use Building
  - Reviewed existing project, site documentation, and survey plan to check the feasibility of landscape design
  - Created concept plans with supporting precedent imagery to communicate design ideas
  - Developed detailed designs that reflect the location, function, and microclimate of each area

Emily Erlam Studio & John Davies Landscape   London, United Kingdom
Project Landscape Architect   *June 2018 - August 2019*
- Hanover Road Garden in London, United Kingdom – Private Garden Design Project in Urban Area
  - Proposed a design scheme that is beneficial to urban ecology by incorporating native and bee friendly plants into the planting design
  - Managed the whole process of construction including making orders and site managing

- Emmetts Mill in Woking, United Kingdom – Garden Design Project for a Family House
  - Produced all phases of design materials from concept proposal to construction drawings for approximately 3.75 acres of the site
  - Conducted weekly site inspection visits and adjusted design according to the site condition

N.E.E.D. Architecture   Seoul, South Korea
Landscape Architect   *January 2018 - March 2018*
- Sewoon Rooftop Renovation Masterplan - Seoul, South Korea
  - Proposed ecological pathway designs that were inclusive of species such as bees, birds, and butterflies
  - Designed inclusive public open spaces for neighborhoods and their communities of residents, workers, and small business owners

Junior Architect   *July 2015 – June 2016*
- Hanam Mangwol Residence Complex
  - Conducted weekly client meetings and conveyed client's lifestyles and requirements in architectural design
  - Coordinated with a structural engineer and general contractor throughout the design phase and construction

SKILL
- Spatial analysis & visualization (ArcGIS Pro, R, Google Earth Engine, Python, Tableau)
- Data analysis (STATA, Python)

- Design (AutoCAD, Vectorworks, Adobe Suite (Photoshop, Illustrator, InDesign), Sketch-up Pro + Lumion 10)
- Microsoft Office