

## EDUCATION

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- Sep 2021 - **Ph.D., Informatics**, University of California, Irvine CA, USA  
Adviser: Professor Paul Dourish
- 2019 - 2021 **Master of City and Regional Planning**, Georgia Institute of Technology, Atlanta GA, USA  
Adviser: Assistant Professor Clio Andris | Specialization - Urban Design | GPA 4.0/4.0  
Thesis: The Shape of Discourse in Urban Movements through the Lens of Social Media: a Case Study of the Anti-Redevelopment Movement in South Korea.
- 2014 - 2019 **B.S., Civil & Environmental Engineering**, Seoul National University  
Minor in Geography | GPA 4.04/4.3 | Summa Cum Laude
- 2011 - 2014 Korea Science Academy of Korea Advanced Institute of Science and Technology  
Studied advanced math and science courses equivalent to college courses | Major: Biology

## RESEARCH INTEREST

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Data-driven urban governance | Urban data science for spatial social justice |  
Technology for collaborative placemaking | Civic media | Critical data studies | Feminist studies |  
Participatory design

## PUBLICATIONS

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- 2021 **Planning for Romantic Relationships: A Case Study of a U.S. College Town**  
Andris, C and Lee, S. Journal of Urbanism, 2021
- 2020 **Real-time, interactive website for US-county-level COVID-19 event risk assessment**  
Chande, A., Lee, S., Harris, M., Nguyen, Q., Beckett, S., Hilley, T., Andris, C., Weitz, J.  
Nature Human Behavior. 2020
- 2019 **Inferring the character of urban commercial areas from age-biased online search results: how place recommendation data can reveal dynamic Seoul neighborhoods**  
Lee, D., Lee, S. In Adjunct Proceedings of the 2019 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2019 ACM International Symposium on Wearable Computers (UbiComp/ISWC '19 Adjunct)

## PRESENTATIONS

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- 2022 **How Urban Activism Evolves with Social Media: A Case Study of the Anti-Redevelopment Activism in Seoul, South Korea**  
Lee, S. American Association of Geographers 2022 Annual Meeting, New York NY, USA (forthcoming)
- 2021 **Estimating Diversity at Points of Interest (POIs) in Atlanta, Georgia using Origin-Destination Trip Data**  
Lee, S., Andris, C. Association of Collegiate Schools of Planning (ACSP) 2021 Annual Conference, Virtual.

2020

### **Characteristics of Individuals with Global, Local or Glocal Connectivity Patterns**

Liang, X., Lee, S., Andris, C., Chen, H., and De La Pena, B. North American Meetings of the Regional Science Association International (NARSC), November, 2020, Virtual.

## **RESEARCH EXPERIENCE**

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Aug 2019 -

### **Master's Thesis, School of City and Regional Planning**

Georgia Institute of Technology, Atlanta GA, USA

- Thesis title: Perceptive Images and the Place Identity of 'Shin-rim' College Neighborhood by Mapping the Pedestrian Experiences of College Students

Aug 2019 -

### **Graduate Research Assistant**

Friendly Cities Lab, Georgia Institute of Technology, Atlanta GA, USA

- Designed and developed an interactive web map 'COVID-19 Event Risk Planning Tool'
- Characterized individual spatial social networks using machine learning techniques and found distinct sociodemographic/behavioral characteristics associated with the network types
- Analyzed survey data on spatial demands and usage of romantic partners in State College, PA

May - Aug 2018

### **Researcher, Department of Civil & Environmental Engineering**

Matureopolis Lab, KAIST, Daejeon, Korea

- Analyzed consumer age-specific patterns of restaurant preferences in commercial areas of Seoul by harvesting online place recommendations from the NAVER Place service

Jan - Apr 2018

### **Research Intern**

City Region Studies Centre, University of Alberta, Edmonton, Canada

- Project title: Smartphone App on the Quality of Pedestrian Experience in Cities
- Developed and tested a mobile tracking app to study walking behavior in neighborhoods
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May - Dec 2017

### **Undergraduate Thesis, Department of Civil & Environmental Engineering**

Urban Design Lab, Seoul National University, Seoul, South Korea

- Thesis title: Perceptive Images and the Place Identity of 'Shin-rim' College Neighborhood by Mapping the Pedestrian Experiences of College Students

## **PROFESSIONAL EXPERIENCE**

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May - Aug 2020

### **Intern in Research & Analytics / Transportation & Mobility Services**

Atlanta Regional Commission Atlanta GA, USA

- Online data management and processing for public data provision
- Developed tools to automate data processing on ArcGIS
- Spatial analysis for equitable commuting in the COVID-19 pandemic

2017 - 2019

### **Urban Planner & Design Researcher**

YANGJI.CO. Seoul, South Korea

- Designed interactive tools (3D model, mobile app) for citizen engagement and collected neighborhood data in close interaction with local residents
- Shaped a framework for Seoul Rooftop Commons and created a database of rooftops using GIS
- Organized an international participatory workshop to revitalize a neighborhood with sustainable tourism strategies

## TEACHING EXPERIENCE

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2021

### Teacher's Assistant

Information and Computer Science Undergraduate Course  
Global Disruption and Information Technology ICS 5, University of California, Irvine

## EXTRACURRICULAR EXPERIENCE

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2019

### Student Planning Association - Social Committee Atlanta GA, USA

- Organized and managed social events for the students in the city and regional planning program at Georgia Tech

2019

### Asian Hub Seoul, South Korea

2017

- Volunteered in providing education and job training for female marriage-immigrants

### Participatory planning workshop 'Delta V' Versoix, Switzerland

- A community workshop for revitalization of Versoix organized by URBZ group
- Interviewed the local community and created a collage artwork of the imagined Versoix for the final exhibition

2017

### Humboldt Summer and Winter University Berlin, Germany

Humboldt University of Berlin, Dept. of Geography

- Course Title: European City and Regional Development Planning – The Case of Berlin
- Grade: A+

## HONORS / AWARDS

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2019

### Georgia Planning Association Fellowship Georgia Institute of Technology

- Graduate assistantship offer funded by Georgia Planning Association (\$40,000)

2014 - 2017

### Scholarship for Outstanding Grades Seoul National University

2016

### SNU Development Fund Scholarship Seoul National University

## SKILLS

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### Data Collection

Online Data Mining  
Survey / Interview  
Mobile App Data  
Participatory Activity

### Data Science / Visualization

Python  
R  
HTML  
Tableau

### Mapping / Spatial Analysis

ArcGIS  
QGIS  
Mapbox

### Design

Adobe Studio  
(Indesign, Illustrator,  
Photoshop)

### Urban Planning

Mater Planning  
Community Development Strategy  
Participatory Design/Planning  
Citizen Engagement