Seolha Lee

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EDUCATION

Sep 2021 -   **Ph.D., Informatics**, University of California - Irvine, Irvine CA, USA
Adviser: Professor Paul Dourish | Graduate Feminist Emphasis

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

2014 - 2019   **B.S., Civil & Environmental Engineering**, Seoul National University
Minor in Geography | GPA 4.04/4.3 | Summa Cum Laude

PUBLICATIONS

Lee, S., and Dourish, P. 2024. **Rewiring Data Relations: Institutional data infrastructure for social justice.** *Proceedings of the ACM on Human-Computer Interaction, CSCW2.*

Lee, S., Warren, R., Mazmanian, M. 2024. **Efficient Service Provider or Committed Social Reformer?: Governmental Data Storytelling around City Data Projects.** *Big Data & Society (submitted)*

Lee, S. and Le Dantec, C. 2023. **More Than a Property: Place-based Meaning Making and Mobilization on Social Media to Resist Gentrification**. *Proceedings of the ACM on Human-Computer Interaction, CSCW1.*

Liang, X., **Lee, S.**, Chen, H., Peña, B. de la, & Andris, C. 2022. **Characteristics of Jetters and Little Boxes: An Extensibility Study Using the Neighborhood Connectivity Survey**. *Social Inclusion, 10(3), 221–232.*

Chande, A., **Lee, S.,** Harris, M., Nguyen, Q., Beckett, S., Hilley, T., Andris, C., Weitz, J. 2020. **Real-time, Interactive Website for US-County-Level COVID-19 Event Risk Assessment.** *Nature Human Behavior.*

Lee, D. and **Lee, S**. 2019. **Inferring the Character of Urban Commercial Areas from Age-Biased Online Search Results: How Place Recommendation Data Can Reveal Dynamic Seoul Neighborhoods.** *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

Lee, S., and Dourish, P. 2024. **The Anti-Racist Government Reform in the Accountability Trap: A Comparative Study of Equity-centered Initiatives in the US City Governments.** *4S-EASST 2024, Amsterdam, Netherlands*

Lee, S., and Dourish, P. 2023. **Data for Productive Friction: Institutional data infrastructure for social justice.** *4S 2023, Honolulu, USA*

Lee, S., Warren, R., and Mazmanian, M. 2023. **Interrupting Governments' Data Performance: Critical Reading of Government Data Narratives as a Strategy to Empower Communities in Data-driven Cities.** *Data Justice Conference, Cardiff, UK*

Lee, S. 2022. **How Urban Activism Evolves with Social Media: A Case Study of the Anti-Redevelopment Activism in Seoul, South Korea.** *American Association of Geographers 2022 Annual Meeting, New York NY, USA*

Lee, S. and Andris, C. 2021. **Estimating Diversity at Points of Interest (POIs) in Atlanta, Georgia using Origin-Destination Trip Data.** *Association of Collegiate Schools of Planning (ACSP) 2021 Annual Conference, Virtual.*

Liang, X., **Lee, S.**, Andris, C., Chen, H., and De La Pena, B. 2020. **Characteristics of Individuals with Global, Local or Glocal Connectivity Patterns.** *North American Meetings of the Regional Science Association International (NARSC), Virtual*

RESEARCH EXPERIENCE

Sep 2021 - 2023   **Graduate Student Researcher**
CREATE center, University of California - Irvine, Irvine CA, USA
- Conducting research on sociotechnical systems in local governments as part of UCI Steckler Center for Responsible, Ethical, and Accessible Technology (CREATE)
- Current project: an ethnographic study on the role of tech vendor companies in shaping governmental tech systems and practices across local, state, and federal levels

May 2021   **Master's Thesis, School of City and Regional Planning**
Georgia Institute of Technology, Atlanta GA, USA
- Thesis title: The Shape of Discourse in Urban Movements through the Lens of Social Media: a Case Study of the Anti-Redevelopment Movement in South Korea.
- Analyzed social media use and public discourse within the urban movement using NLP techniques and interviews of anti-gentrification activists

2019 - 2021   **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' using R
- Investigated social diversity at places using mobile GPS trip data and interactive mapping tools

May - Aug 2018   **Researcher, Department of Civil & Environmental Engineering**
Maturepolis 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 using Python

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

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

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

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TEACHING EXPERIENCE

2021   **Teaching Assistant**
University of California - Irvine, Irvine CA, USA
- School of Information and Computer Science
- Course title: ICS 5 Global Disruption and Information Technology

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LEADERSHIP & VOLUNTEER

2022   **Voluteering Data Specialist** San Francisco CA, USA
- Supported non-profit organizations with planning and conducting data communication with stakeholders
- Organizations: Wah Mei School, APG Beacon (Youth and community development organizations)

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

2017   **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
- exihibition

HONORS & AWARDS

2023 -   **UCI's Steckler Center for Responsible, Ethical, and Accessible Technology (CREATE) Fellow**

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**