

# JIN HONG KIM

urbanscape.github.io

## EDUCATION

**Columbia University GSAPP** | New York, NY

May 2021

*Master of Science in Urban Planning*

- Relevant coursework in Environmental Data Analysis (RGDAL), Exploring Urban Data with Machine Learning (Scikit-learn), Urban Informatics (Python, Pandas), Geographical Information Systems (ArcGIS)

**University of Southern California** | Los Angeles, CA

May 2017

*Bachelor of Architecture*

## EXPERIENCE

**Numina** | New York, NY

July 2021 – present

*Data Engagement Intern*

- Integrated Numina's sensor API (GraphQL, Python) to present customized data narratives to clients
- Analyzed and reported on metrics around street-level data accuracy and near-miss traffic events
- Collaborated with the engineering and growth teams via GitHub workflow and AWS S3

**The Municipal Art Society of New York** | New York, NY

February 2021 – May 2021

*Graduate Student Intern*

- Created a SOP for visualizing Reasonable Worst Case Development Scenarios (RWCDs) using Google Earth KML; applied SOP to 3D web modeling for the *Gowanus* and *SoHo/NoHo Neighborhood Plans*
- Prepared internal reports on projects undergoing City Environmental Quality Review (CEQR)

**Columbia GSAPP Housing Lab** | New York, NY

November 2019 – May 2021

*Research Assistant*

- Performed geospatial analysis of NYC's New Law Tenements as part of the *Code Changes and Building Proposals* report for recommendations to improve and expand affordable and resilient housing
- Researched the impacts of the university's Community Benefits Agreement and helped build areas of collaboration through knowledge-sharing meetings with local developer West Harlem Group Assistance

**Architecture & Urban Research Institute** | Seoul, South Korea

July 2020 – October 2020

*Research Assistant*

- Co-authored a report on the state of Privately Owned Public Spaces (POPS) in New York City

**John Friedman Alice Kimm Architects** | Los Angeles, CA

July 2017 – May 2019

*Designer*

- Completed construction documents for a kindergarten addition to LAUSD's Wonderland Elementary School
- Performed a feasibility study to renovate Caltech's Watson Laboratories into a state-of-the-art research lab
- Consulted LA Council District 8 for a modular construction of its navigation center for homeless services

**30<sup>th</sup> Mechanized Infantry Division, Republic of Korea Army**

September 2014 – June 2016

*Squad Leader, Assistant Construction Engineering Supervisor*

- Helped manage over \$50 000 in building renovation projects including a bathhouse and a mess hall
- Created a multi-phased campus masterplan visualization for the 1<sup>st</sup> Corps of the Republic of Korea Army

## PROJECTS

**Visual Pattern Recognition in 20th Century NYC Buildings** | [link here](#)

Spring 2021

- Image processing and predictive modeling (K-means Clustering and Principal Component Analysis) for assessing NYC building typologies based on over 50,000 images queried through Google Street View API

**Grey-to-Green Energy Transition** | [link here](#)

Spring 2020

- Comprehensive research and proposal on environmental justice solutions to the City's green energy transition

**Tweets on Broadway** | [link here](#)

Fall 2019

- Spatial analysis of language patterns extracted from tweets geotagged along Broadway using Python

## SKILLS

*Programming* Python, R, PostgreSQL, HTML, CSS, JavaScript, Grasshopper

*Software* ArcGIS, QGIS, Carto, Adobe Suite, Rhino 3D, SketchUp, AutoCAD, Revit, Microsoft Office

*Language* Fluent in English and Korean; Basic proficiency in French