

Jeong Hoon Kim is a GIS Analyst at CBRE, Inc. with a master's degree in City Planning and the GIS and Spatial Analysis certificate from the University of Pennsylvania. He is a data analysis enthusiast integrating strategic planning and data-driven design into sustainable urban development. He thrives in situations that require him to conduct geospatial analysis and data-intensive research to help an organization find smart solutions. His interests in data modeling and building web applications led him to great proficiency in multiple programming languages.

EDUCATION

<div><div>  Master of City Planning</div><div>University of Pennsylvania</div><div>08/2018 - 05/2020</div></div>	<div>Smart Cities Concentration</div> <div>Philadelphia, PA</div>
<div><div>  Bachelor of Arts</div><div>Yonsei University</div><div>03/2010 - 02/2017</div></div>	<div>Seoul, South Korea</div>

SKILLS

| GIS

ArcGIS Pro	<div><div></div><div></div><div></div><div></div><div></div></div>	ArcMap	<div><div></div><div></div><div></div><div></div><div></div></div>
ArcGIS Online	<div><div></div><div></div><div></div><div></div><div></div></div>	StoryMaps	<div><div></div><div></div><div></div><div></div><div></div></div>
Web AppBuilder	<div><div></div><div></div><div></div><div></div><div></div></div>	Survey123	<div><div></div><div></div><div></div><div></div><div></div></div>
Collector	<div><div></div><div></div><div></div><div></div><div></div></div>	FME	<div><div></div><div></div><div></div><div></div><div></div></div>

| Languages

Python (ArcPy)	<div><div></div><div></div><div></div><div></div><div></div></div>	R	<div><div></div><div></div><div></div><div></div><div></div></div>
JavaScript	<div><div></div><div></div><div></div><div></div><div></div></div>	HTML & CSS	<div><div></div><div></div><div></div><div></div><div></div></div>
SQL	<div><div></div><div></div><div></div><div></div><div></div></div>	C#	<div><div></div><div></div><div></div><div></div><div></div></div>

| Design

Photoshop	<div><div></div><div></div><div></div><div></div><div></div></div>	Illustrator	<div><div></div><div></div><div></div><div></div><div></div></div>
Indesign	<div><div></div><div></div><div></div><div></div><div></div></div>	AutoCAD	<div><div></div><div></div><div></div><div></div><div></div></div>

CERTIFICATION

• IBM Data Engineering Professional	IBM	Feb 2024
• Spatial Data Science	Esri	Dec 2020
• Going Places with Spatial Analysis	Esri	Sep 2020
• Do-It-Yourself Geo Apps	Esri	Dec 2020
• Azure Data Fundamentals	Microsoft	Aug 2020
• GIS and Spatial Analysis	University of Pennsylvania	May 2020

ACADEMIC PROJECT

<div><div>  A Vision for CBD Tolling in New York</div><div>University of Pennsylvania</div></div>	<div>Fall 2019</div> <div>Philadelphia, PA</div>
<div><div>• Collaborated with a team of 11 city planning graduates to analyze the profitability and efficiency of Congestion Pricing in NYC, and presented research insights to NYC DOT and MTA.</div><div>• Contributed to the analysis and modeling of traffic volumes heading Congestion Pricing zone with NY Best Practice Model (BPM) data by employing R, Python, and ArcMap.</div></div>	

MILITARY SERVICE

<div><div>  Social Service Agent</div><div>South Korea Army</div></div>	<div>11/2012 - 10/2014</div> <div>Seoul, South Korea</div>
<div>• Worked as a social service agent in the Local Autonomy Administration Division at the Eunpyeong Borough Office.</div>	

EXPERIENCE

<div><div>  GIS Analyst</div><div>CBRE, Location Intelligence</div></div>	<div>03/2022 - Current</div> <div>New York, NY</div>
<div><div>• Analyze Massive Mobile Data (MMD) and develop machine learning algorithms to research office occupancy rates trends in NYC with Python.</div><div>• Develop multiple geospatial statistical models, such as Accessibility Score, as well as ArcPy tools to automate analytic processes and provide significant time and resource saving.</div><div>• Develop 3d modeling app in Esri environment with Google API as well as CesiumJS and managed geospatial data in PostgreSQL server.</div></div>	

<div><div>  GIS Technician</div><div>City of Orlando, IT Department</div></div>	<div>06/2021 - 03/2022</div> <div>Orlando, FL</div>
<div><div>• Updated the City's enterprise geodatabases to ensure data accuracy by editing attribute and geographical data, geocoding, digitizing, and restructuring domains and subtypes.</div><div>• Created maps requested from the Planning and Transportation Department using ArcGIS Pro and ArcMap, and participated in developing the City's web applications (e.g. Orlando Blke Lane) using Web App Builder.</div></div>	

<div><div>  Data Modeling Intern</div><div>Regional Plan Association (RPA)</div></div>	<div>04/2021 - 06/2021</div> <div>New York, NY</div>
<div><div>Recovery Scenarios Planning after the COVID-19 Pandemic in NYC</div><div>• Collected GHG emissions and energy consumptions data in the tri-state region from American Census Survey (ACS) as well as Energy Information Administration (EIA), and developed a potential model using R.</div></div>	
<div><div>Tech Equity Initiative</div><div>• Acquired data set of maximum broadband speed availability and the percentage of households with over 100 Mbps in the tri-states from IPUMS, FCC-477, and ACS using R; created thematic maps and charts using ArcGIS Pro as well as R; and presented the updates to the RPA board members.</div></div>	

<div><div>  Research Assistant</div><div>The Collaborative</div></div>	<div>06/2020 - 04/2021</div> <div>Boston, MA</div>
<div><div>ADA Accessibility Prioritization for NYC Subways Project</div><div>• Researched five different cities' subway transit accessibility plans, and developed a model for the prioritization of subway accessibility improvements in NYC.</div><div>• Collected available data related to subway riderships, socio-economic status, and station features from MTA data feeds and ACS with R; performed geospatial analysis in ArcGIS Pro; and created a ArcGIS StoryMap for a project update presentation to the client.</div></div>	

<div><div>  Data and GIS Intern</div><div>Pennsylvania Horticultural Society (PHS)</div></div>	<div>01/2020 - 02/2020</div> <div>Philadelphia, PA</div>
<div><div>Comprehensive Map Project</div><div>• Geocoded customer location data with the address locator, checked and maintained over 30 layers data of the organization's ongoing projects; and created 12 maps by the district of councils in Philadelphia containing 24 projects conducted by PHS in 2019 using Adobe Illustrator.</div></div>	

<div><div>  GIS Research Intern</div><div>Chicago Metropolitan Agency for Planning (CMAP)</div></div>	<div>06/2019 - 08/2019</div> <div>Chicago, IL</div>
<div><div>Land Use Inventory Project</div><div>• Trained land use and zoning principles in the seven counties in the state government region and updated over 50,000 un-coded target parcels utilizing USGS satellite images and tax assessment records in Northeastern Illinois by employing ArcGIS for nine weeks.</div></div>	
<div><div>Hydro Editing Project</div><div>• Identified the hydro-region change between 2015 and 2017 using satellite images and updated over 30,000 hydro-lines and hydro-polygons in the northeastern Illinois counties for 5 weeks with ArcMap.</div></div>	