

Zhi Keng He

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A civic technologist. Makes maps and apps that make data accessible and actionable with(in) government and communities

Skills	Full Stack Development: Python, Javascript, SQL, AWS, Docker Data Visualization & Analysis: Python, R, Excel, D3.js, Mapbox, Adobe Illustrator Urban Planning & GIS : ArcGIS, FME, QGIS, Remote Sensing, Network Analyst	
Experience	Reveal Global Consulting @ U.S. Census Bureau Data Engineer <i>Technologies Used: Angular, Django, Python/ Polars, Apache Airflow, SQL (Postgresql & OracleDB)</i> Sept 23 - Current	
	<ul style="list-style-type: none">● Building web interfaces, API backends, and data pipelines to streamline Group Quarters enumeration in preparation for the American Community Survey and 2030 Census; and for intra-agency data sharing agreements● Conducting analysis and imputation of historical person level data● Linkage of various agency frames and public sources to produce a comprehensive GIS frame and hierarchy of law enforcement agencies	
	BetaNYC Civic Innovation Lab Manager Sept 19 - Sept 23	
	<ul style="list-style-type: none">● Created open data classes for students, community board members, staff of elected officials, and the general public to make data-informed decisions.● Maintained and created civic tools using data, design and technology to amplify urban issues in tangible and accessible ways. Managed ETLs for various housing and transportation datasets. geocoder.nyc & boundaries.beta.nyc● Advised the Borough President's Offices in the use of technology for community boards and other units; and assisted community groups and elected offices in over 200 research and data projects.● Mentored, project managed, and supervised three cohorts of graduate students.	
	U.S. Census Bureau Civic Digital Fellow June 19- Aug 19	
	<ul style="list-style-type: none">● Improved developer documentation for Census Bureau data by creating tools and pages with lessons, and example applications.● Built visualizations and tools to aid in the digital marketing of the 2020 Decennial Census and Census Bureau data.	
	NYC Department of Transportation GIS College Aid June 17- May 19	
	<ul style="list-style-type: none">● Created prototypes, applications, and tools for internal and public use to aid in planning and decision making in the agency using Javascript and ArcGIS for Javascript.● Managed databases, metadata, and datasets by utilizing scripts in R, Python, and SQL.● Developed data workflows to digitize and geocode, paper and non-spatial datasets to track the state of good repair.	
Education	The City University of New York (CUNY): Hunter College Master of Urban Planning Bachelor of Arts in Geography (GIS) Spring 2025 Spring 2019	