

Zhi Keng He

email: zhikhe@gmail.com github: zhik projects: zhik.github.io/proj

Skills:

Programing : HTML/CSS, JavaScript, Python , SQL (Postgresql)

GIS : Using ArcGIS, QGIS, Python, R, and Excel for data analysis and visualization.

IT : Maintaining and troubleshooting computers and networks.

Experience:

U.S. Census Bureau - *Civic Digital Fellow*

June 19- Current

- Improving developer documentation by creating a more interactive and accessible website, lessons, and example applications.
- Building visualizations and tools to aid in the digital marketing of the 2020 Decennial Census and Census Bureau data.

Digital Design Intern - American Geographical Society

Feb 19 - Current

- Constructing, composing, and designing interactive and dynamic academic peer-reviewed web map articles using ESRI, Leaflet, and OpenStreetMap.

Manhattan Borough President's Office - *Public Service Scholar*

Sept 18- May 19

- Collected research on various transportation, education, and technology policy by attending hearings, task force meetings, and through community engagement.
- Conducted data analysis and surveys on various infrastructure and service delivery metrics of city agencies.

NYC Department of Transportation - *GIS College Aid*

Jun 17- May 19

- Worked with Javascript and Python to create prototypes, applications, and tools for internal and public use to aid in data collection, visualization, and planning.
- Created and 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.

NYC Department of City Planning - *ITD Intern*

Jun 16 - Aug 16

- Assisted the Information Technology Division by validating and updating geographic data files that support the activities of the department and other city agencies.
 - Worked with ArcGIS and created a web application to expedite research. Conducted research to clarify geographic problems.
-

Education and Activities:

Bachelors of Arts: Geography (GIS)

The City University of New York (CUNY): Hunter College

Jun 2019

- Geography Club - *President*
- Web Development Club - *Vice President*