

Vivian Chen

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EDUCATION AND HONORS

NYU Center for Urban Science and Progress

Master of Science in Applied Urban Science and Informatics

Brooklyn, NY

August 2020

Macaulay Honors College at Hunter College (CUNY)

Bachelor of Arts in Geographical Information Science

Minors in Computer Science and Media Studies

New York, NY

June 2019, GPA: 3.701

Dean's List

Relevant Coursework: Free & Open Source Software for GIS, Cartographic Design & Geovisualization, Relational Databases & SQL Programming, Environmental Data Science, Urban Applications of GIS

TECHNICAL SKILLS

- **GIS/Statistical Analysis Applications:** ArcGIS, QGIS, SPSS
- **Programming Languages and Database Applications:** Python, SQL, JavaScript, Microsoft Access
- **Design:** HTML, CSS, Adobe (Photoshop, Illustrator, InDesign)

RELEVANT EXPERIENCE

New York City Department of Transportation

College Aide

March 2018 – Present

- Working within the Asset Management Unit to create, maintain, and update various geo-databases through customized scripts using Python, SQL, and VBA
- Using ArcMap, ArcCatalog, and QGIS to create and edit maps of NYC DoT assets
- Create dashboards using MS Excel and MS Access for data visualization and projection analysis
- Microsoft Access:
 - Developing a database for a smoother data clean-up process for DoT Capital Projects files
 - Designed a database to track seating arrangements for all DoT floors within the 55 Water St. building in order to streamline the agency's emergency preparedness procedures

The Graduate Center, City University of New York

Research Intern

August 2017 – January 2019

- Conducted research and created an interactive map to visualize neo-antique sites via CARTO for Dr. Elizabeth Macaulay-Lewis' online publication

American Geographical Society

Scholar Intern

September 2016 – December 2016

- Maintained and updated AGS blogging sites, UBIQUE and Connect2Conserve
- Interviewed companies and non-profit organizations about geographic contributions for weekly Spotlight articles
- Aided in preparation for the annual Fall Symposium, *Geography 2050: Envisioning a Sustainable Planet* by creating graphics for promotional items, advertising on social media, and working on-site to ensure a smooth run-of-the-show

LEADERSHIP EXPERIENCE

Macaulay Honors College at Hunter College (CUNY)

Peer Mentor

July 2017 – May 2019

- Aided incoming freshmen in their transition to their first year of college by organizing workshops, hosting events, and providing the right resources for academic and research opportunities

Hunter College Undergraduate Student Government

Senate Chair

July 2017 – July 2018

- Promoted transparency amongst the Hunter students, the Undergraduate Student Government, and the Hunter Administration by organizing Town Halls and school-wide events