

# 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

**Relevant Coursework:** Urban Spatial Analytics; Civic Analytics and Urban Intelligence; Applied Data Science; Principles of Urban Informatics; Data Governance Ethics and Privacy

### Macaulay Honors College at Hunter College (CUNY)

*Bachelor of Arts in Geographical Information Science*

New York, NY

June 2019, GPA: 3.701

Minors in Computer Science and Media Studies

Dean's List

**Coursework:** Free & Open Source Software for GIS, Cartographic Design & Geovisualization, Relational Databases & SQL Programming

## TECHNICAL SKILLS

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

## RELEVANT EXPERIENCE

### Barnard College, Empirical Reasoning Center

*August 2019 - Present*

Teaching Assistant

- Support Prof. Alisa Rod in the lab section of the GIS Methods course through guiding students on using GIS
- Grade weekly labs and hold office hours for students

### 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 and metadata of NYC DoT assets
- Create dashboards using MS Excel and MS Access for data visualization and projection analysis
- Through MS Access, designed a database to track seating arrangements for all DoT floors within the 55 Water St. building to streamline the agency's emergency preparedness procedures; used MS Project for progress tracking

### 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* 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