

# Vivian Chen

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## EDUCATION AND HONORS

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### NYU Center for Urban Science and Progress

Brooklyn, NY

*Master of Science in Applied Urban Science and Informatics*

Expected Graduation: 07/2020

**Courses:** Machine Learning for Cities, Big Data Management and Analytics, Democracy for Cities, Urban Spatial Analytics; Civic Analytics and Urban Intelligence; Applied Data Science; Principles of Urban Informatics; Data Governance Ethics and Privacy

**Capstone Project** with sponsor Office of Nightlife, NYC Mayor's Office of Media and Entertainment  
Pathways to Legal Occupancy: Preserving Nightlife Cultural Spaces

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

New York, NY

*Bachelor of Arts in Geographical Information Science*

08/2015 - 06/2019, GPA: 3.701

Minors in Computer Science and Media Studies

Dean's List: 5 Semesters

### Hunter College High School

New York, NY

*Class of 2015*

09/2009 - 06/2015

## PROFESSIONAL EXPERIENCE

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### New York City Economic Development Corporation

01/2020 - Present

Transportation Intern (Planning Department)

- Analysis on residents' MTA travel patterns to determine potential housing development locations using publicly available data, Python, and Excel
- Compiling and standardizing bathymetry data for NYC waterfronts under NYCEDC jurisdiction

### New York City Department of Transportation

GIS College Aide (Asset Management Unit)

03/2018 – 02/2020

- Built and maintained geodatabases through customized scripts using Python, SQL, and VBA
- Created and updated maps and metadata of NYCDOT assets through ArcMap, ArcCatalog, and QGIS
- Generated 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

### Barnard College, Empirical Reasoning Center

08/2019 - 12/2019

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

### The Graduate Center, City University of New York

Research Intern

08/2017 – 01/2019

- Conducted research to create a database of NYC architecture and generated an [interactive map](#) via CARTO for Dr. Elizabeth Macaulay-Lewis' publication: [Classical New York Discovering Greece and Rome in Gotham](#)

### Hunter College Undergraduate Student Government

Senate Chair

07/2017 – 07/2018

- Acted as a liaison between the Student Senate and the Executive Board
- Promoted transparency amongst the Hunter students, the Undergraduate Student Government, and the Hunter Administration by organizing Town Halls

### batteryPOP

Intern

01/2017 – 04/2017

- Managed the content library of promotional videos and articles via custom Content Management Systems
- Streamlined advertising campaigns per week through the Facebook and Twitter platforms

## American Geographical Society

Scholar Intern

09/2016 – 12/2016

- Maintained and updated AGS blogging sites, [UBIQUE](#) and [Connect2Conserve](#), and interviewed companies and non-profit organizations for weekly Spotlight articles
- Prepared 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

## Chelsea Music Festival

Digital Media Intern

04/2016 – 06/2016

- Supported the Marketing/PR team to promote and curate the event through Facebook, Twitter, and Instagram
- Edited promotional videos before launch, assisted in show pre-runs, and guided patrons throughout the festival

## United Aquatics Corp.

Swimming Instructor

09/2010 - 03/2016

- Taught children and adults how to swim using proper techniques
- Languages used: English, Mandarin, Cantonese

## SKILLS

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|--|---|
| ▪ <b>GIS Software</b>                                    | ArcGIS, QGIS  |
| ▪ <b>Programming Languages and Database Applications</b> | Python, SQL, VBA, Microsoft Access                                    |
| ▪ <b>Design</b>  | HTML, CSS, Adobe (Photoshop, Illustrator)                             |
| ▪ <b>Outreach Tools and Platforms</b>                    | Facebook, WordPress, Twitter, Hootsuite                               |
| ▪ <b>Languages</b>                                       | English (native), Mandarin (conv.), Cantonese (conv.), French (basic) |

## SCHOLARSHIPS AND AWARDS

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**\$10,000**

**New York University Center for Urban Science and Progress, CUSP Academic Scholarship**

*April 2019*

For recognition of academic record and professional accomplishments upon admission

**4-Year Undergraduate Paid Tuition**

**William E. Macaulay Scholarship**

*Aug 2015 - May 2019*

A merit-based scholarship package that includes tuition and a laptop computer

## ASSOCIATIONS

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*since*

2019

Gamma Theta Upsilon (GTU)

2019

NYU Applied Urban Science Group (AUSG)