

Vivian Chen

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EDUCATION AND HONORS

NYU Center for Urban Science and Progress

Brooklyn, NY

Master of Science in Applied Urban Science and Informatics

Expected Graduation: 07/2020

Courses: Data Visualization, Machine Learning for Cities, Big Data Management and Analytics, Urban Spatial Analytics; Civic Analytics and Urban Intelligence; Applied Data Science; Principles of Urban Informatics

Capstone Project with sponsor Office of Nightlife, NYC Mayor's Office of Media and Entertainment

Preserving Nightlife Cultural Spaces: Keeping the "City that Never Sleeps" Awake

A Data-Driven Approach to Preserving NYC 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

New York City Economic Development Corporation

01/2020 - 05/2020

Transportation Intern (Planning Department)

- Analyzed residents' MTA travel patterns through predicting trip origin and destinations by using publicly available data, Python, and Excel
- Standardized bathymetry data and spearheaded GIS database creation for NYC waterfronts under NYCEDC jurisdiction using ArcMap and AutoCAD
- Conducted social media research surrounding COVID-19 impacts on the food and trucking industry

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

- | | |
|---------------------------------------|-----------------------------------------------------------------------|
| ▪ GIS Software | ArcMap, ArcGIS Pro, QGIS |
| ▪ Languages, Database Tools | Python, SQL, VBA, Microsoft Access, HDFS, Hadoop, Apache Spark |
| ▪ Design | AutoCAD Map 3D, HTML, CSS, Adobe (Photoshop, Illustrator) |
| ▪ Outreach Tools and Platforms | Facebook, WordPress, Twitter, Hootsuite |
| ▪ Languages | 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 |
| <i>April 2019</i> | For recognition of academic record and professional accomplishments upon admission |

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|------------------------------------------|-------------------------------------------------------------------------------|
| 4-Year Undergraduate Paid Tuition | William E. Macaulay Scholarship |
| <i>Aug 2015 - May 2019</i> | A merit-based scholarship package that includes tuition and a laptop computer |

ASSOCIATIONS

| | | |
|--------------|------|----------------------------------------|
| <i>since</i> | 2019 | Gamma Theta Upsilon (GTU) |
| | 2019 | NYU Applied Urban Science Group (AUSG) |