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:** 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 Median 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

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

▪ **GIS Software**	ArcGIS, QGIS
▪ **Programming Languages and Database Applications**	Python, SQL, VBA, Microsoft Access
▪ **Design**	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

$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

since	2019	Gamma Theta Upsilon (GTU)
	2019	NYU Applied Urban Science Group (AUSG)