

## Wesley Chioh

<https://tinyurl.com/WesleyChiohPortfolio>

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### EDUCATION

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#### University of California, Los Angeles

June 2019

*Bachelor of Arts in Geography, Minor in Geographic Information Systems & Technologies*

- **Cumulative GPA:** 3.965/4.00                      **Major GPA:** 4.00/4.00                      **Minor GPA:** 4.00/4.00
- **Honors:** Summa cum laude, Dean's Honors List, Southern California Association of Governments ESRI Story Map Challenge (First Place)

#### New York University

Expected August 2020

*Master of Science in Applied Urban Science & Informatics*

### RELEVANT COURSEWORK AND SKILLS

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#### Computational and Geospatial Skills

- **Programming Languages:** R, Python, C++
- **Software:** RStudio, Jupyter, Microsoft Office, ArcGIS, QGIS, GeoDa, ENVI, Git

#### Relevant Coursework

- **Geography:** Urban Geography, Demographics, Urban Planning, Environmental Change, Spatial Statistics
- **GIS and Remote Sensing:** Advanced GIS, Cartography, Remote Sensing, Programming for GIS
- **Data Science:** Urban Informatics, Decision Modeling, Statistics, Statistical Programming, Deep Learning

### RESEARCH AND PROFESSIONAL EXPERIENCE

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#### Metropolitan Water District of Southern California

Los Angeles, CA

*Geospatial Intern*

01.19 – 06.19

- Analyzed and spatially visualized large datasets of irrigation deliveries and evapotranspiration projections
- Calculated and estimated water use through satellite imagery and heat balance models such as METRIC
- Assisted in constructing a field-level geospatial model of an agricultural district in Palo Verde Valley

#### UCLA Geography Department

Los Angeles, CA

*Student Researcher*

04.18 – 09.18

- Undergraduate Research Assistant (Profs. Helga Leitner & Eric Sheppard): Analyzed financial reports of Indonesian real estate developers to support NSF-funded research on urban development and economic globalization in Jakarta, Indonesia (Speculative Urbanism: Land, Livelihoods, and Finance Capital)
- Undergraduate Research Assistant (Prof Michael Shin): Analyzed and visualized Part B Medicare data to support research into spatial and temporal variations of Medicare charges across the United States

#### JTC Corporation

Singapore

*Intern, Urban Design and Architecture Division*

07.18 – 08.18

- Automated user data processing in R which was incorporated into an API
- Automated the analysis and identification of a land parcel's properties and buildable area with ArcPy.
- Analyzed and segmented user data from industrial installations for planning and estate management purposes in collaboration with, and for use by government agencies.