

LAUREN ELIZABETH CAREY

EDUCATION

M.S. Geographic Information Science
Lehman College, CUNY
Graduation: May 2022

B.S. Environmental Science
Lehman College, CUNY
Graduation: May 2020

B.A. Communication Sciences & Disorders
Queens College, CUNY
Jewish Foundation for the Education of Women Scholar
Graduation: May 2014

CONTACT

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Linkedin.com/in/Lauecarey

LANGUAGES

English (First language fluent)
Spanish (Second language fluent)

SKILLS

ArcGIS Pro Google Colab
GeoDa Google Earth Engine
QGIS Python
IDRISI TerrSet Javascript
SeaDAS

Adobe InDesign
Adobe Photoshop
Adobe Illustrator

EXPERIENCE

Central America Regional Science Associate

NASA SERVIR at University of Alabama in Huntsville
Huntsville, AL | 01/22 - Present

- Support development of geospatial hub in Central America; Edit technical documents, co-design materials on hub scope
- Engage with stakeholders through technical exchanges and collaboration on research and training
- Conduct research on the use of earth observations for flood impact reduction and monitoring in Central America
- Collaborate with team members to design and conduct trainings, for example, on satellite-based change detection methods for forest disturbance monitoring

Participant, Marshall Space Flight Center

NASA DEVELOP
Huntsville, AL (Remote) | 09/21 - 11/21

- Coordinated remotely with a team to conduct a case study of flooding in Central America during hurricanes Eta and Iota
- Analyzed Sentinel-1 imagery with Python-based application in Google Colab to distinguish floods from surface water; Used Google Earth Engine to adapt workflows for zonal statistics.
- Collaborated on analysis of outputs and design of project presentation for partner organizations

Research Assistant

Center for International Earth Science Information Network (CIESIN)
New York, NY | 02/21 - 01/22

- Collect social and physical flood vulnerability data using mechanical turking, based on Google Street View imagery
- Develop case study of methodology in Lagos, Nigeria

Office Administrator & Assistant to the President

Waterfront Alliance
New York, NY | 08/17 - 04/21

- Managed office purchasing, HR processes, daily bookkeeping, and annual financial audit
- Coordinated President's schedule and monthly Board committees. Acted as liaison to the Board of Directors. Organized four annual board meetings and two retreats
- Facilitated transition to remote work during COVID-19

Communications & Research Coordinator

HOPE (Run:Hope Project)
Guatemala City, Guatemala & New York, NY | 12/15 - 08/17

- Co-created and implemented communication processes with grantees of continuing education program for teachers
- Designed participation protocols, applications, and feedback surveys
- Aided director in planning of teacher conference for inaugural cohort of 22 participants

Undergraduate Research Assistant

CUNY Service Corps at the CUNY School of Public Health
New York, NY | 9/14 - 5/15

- Conducted systematic review of literature on the role of Community Health Workers in diabetes, hypertension, and asthma management

VOLUNTEER

Community Garden Volunteer

Enable Madison County
Huntsville, AL | 7/22 - Present

- Plant, prepare vegetable beds, harvest, and support composting local community garden

Community Garden Volunteer

Jenny's Garden
New York, NY | 8/20 - 02/21

- Planted, prepared vegetable beds, and supported composting process at local community garden
- Communicated with visitors about garden activities

TRAINING & CERTIFICATION

Wild Otters Remote Internship

Wild Otters
Goa, India (Remote) | June - July 2021

- Trained in smooth-coated otter biology and behavior.
- Conducted behavioral ethogram study through analysis of camera-trapping footage

Waterfront Edge Design Guidelines (WEDG) Associate

Waterfront Alliance
New York, NY | Expires September 2024

- Gained understanding of best practices and site-specific strategies for adapting waterfront projects to sea level rise and climate change