

WORK EXPERIENCE

Los Angeles Times, Los Angeles, CA
Graphics and Data Visualization Intern

Summer 2019

Produced interactive and static maps, charts and graphics for web and print publication. Pitched, designed and developed interactive earthquake map showing hypothetical worst-case shaking scenarios for every location in California. Built interactive search and visualizations of top 100 polluting power companies.

Voting Rights Data Institute (MIT/Tufts), Cambridge, MA
Summer Fellow

Summer 2018

Designed and built an interactive map of congressional redistricting rules. Analyzed incarceration rates and vote inflation in North Carolina. Collaborated on large-scale Monte-Carlo Markov Chain analysis for redistricting.

Pioneer Valley Planning Commission, Springfield, MA
GIS Intern

Summer 2017

Produced land-use and community impact maps for the Westover Air Reserve Base Joint Land Use Study. Built comprehensive GIS database of bicycle infrastructure in Massachusetts for the MA Department of Transportation.

EDUCATION

Middlebury College, Middlebury, VT
B.A., Computer Science and Geography
Expected Feb 2021
GPA: 3.91/4.0
College Scholar (highest academic honor), every semester

SKILLS

Programming languages: JavaScript, Python, R, Java, HTML/CSS

Software/applications: QGIS, Illustrator, Photoshop, ArcGIS (Desktop and Online), Google Earth Engine (GEE) with JavaScript

RESEARCH and TEACHING EXPERIENCE

Middlebury Gender, Sexuality, and Feminist Studies (GSFS) Department

Research Assistant

Sep 2019 - Present

Contribute to critical and theoretical research, collect data, perform spatial analysis and design maps related to crisis pregnancy centers in the United States and world.

(Dr. Carly Thomsen, Assistant Professor of GSFS; Dr. Peter Nelson, Professor of Geography)

Middlebury Computer Science Department

Teaching Assistant and Evening Tutor

Feb 2019 - Present

Assist in teaching programming concepts and introductory Python to students in introductory computer science courses during lab and evening tutoring sessions.

Middlebury Geography Department

Research Assistant

Sep 2017 – May 2019

Analyzed remotely-sensed imagery using JavaScript and GEE to research and visualize environmental phenomena including wildfires, hurricanes and climate change.

(Dr. Jeff Howarth, Associate Professor of Geography)

Research Assistant

Sep 2017 – May 2018

Designed and produced interactive and static maps related to indigenous experiences with the U.S.-Canada border. Researched issues facing indigenous populations in the U.S. and Canada.

(Dr. Guntram Herb, Professor of Geography)

GIS Teaching Assistant

Feb 2017 – May 2019

Provided technical assistance with ArcGIS, QGIS, JavaScript and GEE. Taught spatial analysis concepts and workflows to students in introductory GIS courses.