ZACH LEVITT

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EXPERIENCE

Los Angeles Times   Summer 2019
Graphics and Data Visualization Intern
> 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 in the country.

Voting Rights Data Institute (MIT/Tufts)   Summer 2018
Summer Fellow
> 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.

Middlebury Computer Science Department   Spring 2019
Teaching Assistant
> Taught programming concepts and introductory Python to students in introductory computer science courses.

Middlebury Geography Department

Research Assistant   Sep 2017 – May 2019
> Perform spatial analysis of remotely-sensed imagery using JavaScript and Google Earth Engine (GEE) to analyze environmental phenomena including wildfires and climate
> (Jeff Howarth, Associate Professor of Geography)

GIS Teaching Assistant   Feb 2017 - May 2019
> Provide technical assistance with ArcGIS, GEE, and QGIS. Assist in teaching spatial concepts and workflows to students in Spatial Thinking with GIS and Environmental Geography with GIS.

Research Assistant   Sep 2017 – May 2018
> Designed and produced interactive and static maps related to indigenous experiences with the USA-Canada border. Conducted research on indigenous issues in the United States and Canada. (Guntram Herb, Professor of Geography)

Pioneer Valley Planning Commission   Summer 2017
GIS Intern
> 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
B.A., Computer Science and Geography
Expected Feb 2021
GPA: 3.9/4.0
College Scholar every semester.

SKILLS

Programming Languages
JavaScript (React, Node), Python, R, Java, HTML/CSS

Software/Applications
Illustrator, Photoshop, InDesign, QGIS, ArcGIS Desktop, ArcGIS Online, Google Earth Engine (with JavaScript)