

Zach Levitt

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Portfolio available at go.middlebury.edu/zachlevitt/

EDUCATION

Middlebury College, Middlebury, VT

Expected February 2021

B.A., Geography and Computer Science

College Scholar (highest academic honor) every semester. 3.9/4.0 GPA (unweighted).

Relevant coursework: Cartographic Design, Software Development, Data Science, GIS Applications in Env. Science

EXPERIENCE

Los Angeles Times

Jun 2019 – Present

Graphics and Data Intern

Produce interactive projects and create charts and maps for daily coverage. Built interactive story on power company pollution, mapped redistricting laws and Ridgecrest earthquake intensity, and produced graphics for stories on homelessness in Los Angeles, 2020 campaign polls, and housing crises in California and Oregon.

Voting Rights Data Institute (MIT/Tufts/Harvard)

Jun 2018 – Jul 2018

Summer Fellow

Researched political gerrymandering and voting rights through spatial analysis, policy research, and application development. Built an interactive map of congressional redistricting laws in each state. Produced analysis of incarceration rates and vote inflation in North Carolina state senate and house districts.

Middlebury College Department of Computer Science

Feb 2019 – Present

Teaching Assistant (Introduction to Computing, Computing for the Sciences)

Assist in teaching programming concepts and introductory Python to computer science students.

Middlebury College Department of Geography

Feb 2017 – Present

Teaching Assistant (Spatial Thinking with GIS, Environmental Geography with GIS)

Provide technical assistance with ArcGIS and Google Earth Engine and assist in teaching spatial concepts and workflows to geography students.

Research Assistant (Jeff Howarth, Associate Professor of Geography)

Feb 2018 - Present

Perform spatial analysis of remotely-sensed imagery using JavaScript and Google Earth Engine (GEE) to analyze environmental phenomena including wildfires, climate change, and hurricanes.

Research Assistant (Guntram Herb, Professor of Geography)

Sep 2017 – May 2018

Produced interactive and static maps related to indigenous experiences with the USA-Canada border.

Built numerous interactive maps showing border crossing hours, locations of Native American reservations and cultural centers, and the fieldwork locations of Professor Herb.

Pioneer Valley Planning Commission

Jun 2017 – Aug 2017

GIS Intern

Assisted GIS/graphics department with map design, GIS analysis, and database creation/management. Produced land-use and community impact maps for the Westover Air Reserve Base Joint Land Use Study. Created a GIS database of bicycle infrastructure in Massachusetts for the Department of Transportation.

SKILLS

Spatial analysis: ArcGIS Desktop 10.x, ArcGIS Online, QGIS 3.x, GEE, Leaflet

Graphics and design: Adobe Creative Suite (Illustrator, Photoshop, InDesign)

Programming: Python, JavaScript (React, Node, Django, jQuery), R, HTML, CSS, Java