

ZACH LEVITT

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WORK EXPERIENCE

Mapbox (Rescinded due to COVID-19)

[Summer 2020]

Engineering Intern

1 of 11 interns selected out of 1,900 applicants globally. Passed HackerRank coding assessment, behavioral interviews, and pairing interview.

Los Angeles Times, Los Angeles, CA

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.

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

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.

RESEARCH and TEACHING EXPERIENCE

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

Sep 2019 – Present

Research Assistant (Dr. Carly Thomsen, Assistant Professor of GSFS)

Lead quantitative portion of research project on the impact of crisis pregnancy centers on abortion access in the United States, including statistical analysis, map design and writing.

Middlebury Geography Department

Research Assistant (Dr. Jeff Howarth, Associate Professor of Geography)

Sep 2017 – Present

Applying machine learning approaches to identify symbology on historical maps in order to track land cover change on the Channel Islands in California. Past projects have included developing Google Earth Engine (GEE) scripts in JavaScript for satellite imagery analysis labs in a new Environmental Geography with GIS course and contributing to research on cartographic design education and visual learning.

GIS Teaching Assistant

Feb 2017 – May 2019

Provided technical assistance with ArcGIS, QGIS, JavaScript and GEE to students in introductory GIS courses.

Research Assistant (Dr. Guntram Herb, Professor of Geography)

Sep 2017 – May 2018

Researched issues related to indigenous experiences with the U.S.-Canada border and produced interactive and static maps for research website.

Middlebury Computer Science Department

Feb 2019 – December 2019

Teaching Assistant and Evening Tutor

Assist in teaching programming concepts and Python/R to students in introductory computer science courses. Lead weekly evening tutoring sessions for up to 30 students.

EDUCATION

Middlebury College, Middlebury, VT

B.A in Computer Science and Geography

Expected Feb 2021, GPA: 3.91/4.0

SKILLS

Programming: JavaScript, Python, R, HTML/CSS

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