

Zach Levitt

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EDUCATION

Middlebury College, Middlebury, VT
Bachelor of Arts in Geography and Computer Science.
Summa cum laude, GPA: 3.92/4.0.

Mar 2021

EXPERIENCE

News Apps Intern, National Public Radio Jan 2021 – Apr 2021
Working with the News Apps team to design and develop graphics, data visualizations, tools, and apps for daily and long-term news stories.

Research Assistant, Middlebury College Geography Sep 2017 – Dec 2020
Developing Google Earth Engine (GEE) applications and learning modules for environmental GIS courses. Past projects include utilizing image processing and machine learning approaches in GEE to track land cover change on the Channel Islands in California and researching the relationship between the science of learning and cartographic education.

Research Assistant, Middlebury College Gender, Sexuality, and Feminist Studies Sep 2019 – Dec 2020
Analyzing, visualizing, and writing about the geography of crisis pregnancy centers and abortion facilities in the United States.

Graphics and Data Visualization Intern, Los Angeles Times Jun 2019 – Aug 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. Developed searchable database and visualizations of top 100 polluting power companies.

Teaching Assistant and Tutor, Middlebury College Computer Science Feb 2019 – Dec 2019
Assisted in teaching programming concepts and Python/R to students in introductory computer science courses. Led weekly evening tutoring sessions for up to 30 students.

Summer Research Fellow, Voting Rights Data Institute (MIT/Tufts) Jun 2018 – Jul 2018
Built an interactive map of congressional redistricting rules, analyzed incarceration rates and vote inflation, and collaborated on a large-scale Monte-Carlo Markov Chain analysis for redistricting.

Research Assistant, Middlebury College 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.

GIS Teaching Assistant, Middlebury College Geography Feb 2017 – May 2019
Provided technical assistance with ArcGIS, QGIS, and GEE to students in introductory GIS courses.

SKILLS

Code: Python, R, Java, Ruby
Cartography/GIS: Mapbox GL JS, QGIS, GEE, ArcGIS (Desktop and Online)
Web: JavaScript, Node.js, HTML/CSS, GitHub
Design and digital art: Illustrator, Photoshop, InDesign, p5.js, scikit-image, Pillow