

KAYLA A. PATEL

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paylakatel.github.io

PROFESSIONAL EXPERIENCE

Town of Acton, MA

Webmaster/GIS Technician | October 2015 – Present

- Performing geospatial analysis and creating static maps for town departments and public town meetings as needed.
- Creating and updating the Town's geospatial data.
- Implementing ArcOnline Maps for inter-department and public use.
- Project managing an update to the Town's website.
- Coordinating web content across Town affiliated websites, working with staff to ensure up-to-date information.

NASA Develop National Program

Geospatial Researcher | June 2015 – August 2015

- Wrote the python script used to calculate a series of vegetation indices that derived shoreline changes, assessed wetland health, and created map outputs on a time series of 56 Landsat scenes.
- Presented the results to the partner organization, APNEP, and at NASA Headquarters in Washington, D.C.

Town of Acton, MA

GIS Assistant | September 2014 – May 2015

- Assisted organizing and managing the 2013 and 2014 updates to the Town's geospatial database.
- Assisted in the implementation of electronic permit tracking involving six departments.
- Assisted in the coordination of a six department move out of Town Hall for renovations.

GIS Intern | June 2014 – August 2014

- Updated the Town drainage dataset.
- Created crosswalk, accident history, traffic rules and orders, and subdivision datasets and maps for the Town.

Greater Worcester Land Trust

GIS Intern | September 2012 – December 2012

- Determined a pathway linking Greater Worcester Land Trust protected land to the Midstate Trail using GIS.

EDUCATION

M.S. in GIS, August 2015

Clark University, 4.0/4.0

Thesis Title: *Evaluating conflict surrounding mineral extraction in Ghana: Assessing the spatial interactions of large and small-scale mining.*
Submitted for publication.

B.A. in Geography and Sociology, May 2014

Clark University, 3.77/4.0

Thesis Title: *The participation of civil society in the formation of Boston's Rose Kennedy Greenway.*

Pontificia Universidad Católica de Valparaíso,
Spring 2013

Valparaíso, Chile. International Study Abroad.

SKILLS

Raster and vector data analysis | Data preprocessing, land cover classification and change, spatial statistics

Programming | Python, R, HTML/CSS, javascript

High quality map production | Slippy and static web maps, printed paper maps

Communication skills | High level research and writing skills, teamwork and collaboration, professionally fluent in Spanish

HONORS AND AWARDS

Addams-Mills Award

Clark University Sociology Department, May 2014
One to two recipient(s) a year who who have shown a dedicated commitment to community service and made strong academic contributions.

High Honors in Geography

Clark University Geography Department, May 2014

GTU International Geography Honor Society

Clark University, May 2014

Alpha Kappa Delta Sociology Honor Society

Clark University, May 2014