**KAYLA A. PATEL**

PROFESSIONAL EXPERIENCE

**Town of Acton, MA**

Webmaster/GIS Technician | November 2015 – Present

* Performing geospatial analysis and creating static maps for town departments and public town meetings as needed.
* Maintaining 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.

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.

SKILLS

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

**Programming |** Python, R, HTML/CSS, javascript, git

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

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

kayla.a.patel@gmail.com

paylakatel.github.io

987-505-3477

PUBLICATIONS

**Evaluating conflict surrounding mineral extraction in Ghana: Assessing the spatial interactions of large and small-scale mining**

Article in Press, The Extractive Industries and Society

Kayla Patel; John Rogan, PhD; Nicholas Cuba; Anthony Bebbington, PhD.

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.*

**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.

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