

SARA HUTCHINSON

GIS Specialist | Web Developer

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SKILLS

Technical: HTML5, CSS, JavaScript, jQuery, AJAX, PostgreSQL, Ruby on Rails, Ember.js, Node.js, Python, Git/Github

GIS: ArcGIS Desktop (ArcMap and ArcGIS Pro), Spatial Analyst and Network Analyst extensions, ArcGIS Online, Terraset, Species Distribution Modeling (SDM) methodologies, ArcPy, QGIS.

Data visualization: Tableau

Other: Microsoft Office, Conversational Spanish

EXPERIENCE

Web Development Immersive Program

March 2018 – June 2018

General Assembly, Boston, MA

- Completed 12-week intensive full-stack web development course
- Developed 3 full-stack web development applications
- Projects:
 - More Projects
 - More projects

Contracted GIS Analyst

April 2016 - Present

Massachusetts Department of State Police, Commonwealth Fusion Center, Maynard, MA

- Held an interim secret clearance from the Department of Homeland Security (DHS).
- Worked with law-enforcement sensitive data for public safety planning throughout the Commonwealth.
- Consolidated and analyzed opioid overdose data at the town/city level for Massachusetts.
- Assisted with GIS public safety requests including: case support, special event planning, and networking with state agencies.
- Represented Commonwealth Fusion Center at the 2017 Esri GIS User Conference and implemented new geospatial skills and advancements into daily practice.

Conservation GIS Intern

November 2014 – June 2015

Greater Worcester Land Trust, Worcester, MA

- Worked with the Executive Director on a Conservation Partnership Grant application.
- Assisted with mapping projects in Worcester with a focus on conservation.
- Applied GIS knowledge to preserve land and protected species in Worcester County.

Bilingual Community Researcher

January 2013 – April 2013

Service Learning Research Project, Santiago, Dominican Republic

- Conducted participatory research in a community-based school for the non-profit organization Onè Respe.
- Presented research findings and written report in Spanish highlighting important issues in student development.

GIS RESEARCH & PROJECTS

- Mapping Opioid Overdose Data and Heroin Prices in Massachusetts **2017**
- Mapping Elephant Movement and Community Livelihoods in the Tarangire-Manyara Ecosystem **August 2016**
- Batch Processing of Vegetation Indices: GUI Development for Rasters using ArcPy **December 2015**
- Opportunities for Urban Agriculture: Creating a Spatial Database for Worcester **February 2015**

EDUCATION

Master of Arts, Community Development and Planning

August 2016

Clark University, Worcester, MA

Bachelor of Arts, International Development and Social Change

May 2014

Clark University, Worcester, MA

Cum Laude