

Timothy St. Onge

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EDUCATION

Master of Science, Geographic Information Science for Development and Environment

Clark University, 2015

- Final Internship Paper: “Geospatial Research Supporting Non-Profit Organizations: Internship with the Azavea 2014 Summer of Maps Fellowship”

Bachelor of Arts, Geography

University of Mary Washington, 2010

- Honors Thesis: “Media Representations and Place Perceptions of Stigmatized Neighborhoods in Washington, D.C.”
- Magna Cum Laude
- GPA: 3.7

Geographic Information Science Certificate

University of Mary Washington, 2010

- Capstone Project: “Natural Hazard Risk in Haiti”

GW Data Analytics Boot Camp

George Washington University, 2019

- First Project: “How to Be a Russian Troll,” co-authored with Sarah Fawson, Eugene Mason, and Youseff El-Mikawi. Analyzed sentiment of 2016 presidential election-related Russian troll-farm tweets using VADER Python library.
- Final Project: “DC Crime Data Dashboard,” co-authored with Jimmy White, Reena Desai, and Mario Cosby. Created web application for studying crime patterns in Washington, D.C. across space and time using SQL, JavaScript, and Python.

SKILLS

GIS Software/Web: ArcGIS Pro, ArcGIS 9.3–10.7, ArcGIS Online, QGIS, Leaflet, PostGIS, GeoDa, Mapbox

Programming: Python, JavaScript (Beginner, focus on Leaflet and D3), SQL (Beginner), HTML/CSS

Remote Sensing Software: IDRISI Selva, ERDAS IMAGINE, PCI Geomatica, SOCET SET (Beginner)

Basic Knowledge of Spanish

PROFESSIONAL MEMBERSHIPS

Deputy Member, U.S. Board on Geographic Names – Domestic Names Committee

PROFESSIONAL EXPERIENCE

- 2015-present** **Cartographer**, Library of Congress, Washington, D.C.
- 2013-2015** **Research Assistant**, Clark University, Worcester, MA
- 2014** **Summer of Maps Fellow**, Azavea, Philadelphia, PA
- 2012-2013** **Zoning Data Coordinator**, District of Columbia Office of Zoning, Washington, D.C.
- 2010-2012** **GIS Analyst**, PFC Energy (acquired by IHS), Washington, D.C.
- 2010** **GIS Intern**, Library of Congress, Washington, D.C.
- 2008, 2009-2010** **GIS Intern**, U.S. Census Bureau - Geography Division, Suitland, MD
- 2004** **GIS Intern**, National Oceanic and Atmospheric Administration - National Geodetic Survey, Silver Spring, MD

ACADEMIC HONORS

- 2010** Geography Departmental Honors for completing undergraduate thesis
- 2010** Harold Thompson Straw Award for Professional Promise and Potential for Scholarly Contribution
- 2009** Richard P. Palmieri Award for Excellence in Geography

ACADEMIC HONOR SOCIETIES

- 2010-present** Phi Beta Kappa
- 2009-present** Gamma Theta Upsilon
- 2007-present** National Society of Collegiate Scholars

ACADEMIC PRESENTATIONS AND WORKSHOPS

- 2015** Association of American Geographers Annual Meeting, Paper Presentation: "Racial and Socioeconomic Equity in Urban Park Access: A Geostatistical Analysis of Philadelphia."
- 2015** Clark University Graduate Multidisciplinary Conference, Oral Presentation: "Racial and Socioeconomic Equity in Urban Park Access: A Geostatistical Analysis of Philadelphia."
- 2014** Clark University GIS Week, Technical Workshop: "Introduction to QGIS," Co-Instructed with Nelson Crone.
- 2010** Association of American Geographers Annual Meeting, Illustrated Paper Presentation: "The Geography of Water Pollution in the Salton Sea."

ACADEMIC RESEARCH

- 2015** "Spatial Vulnerability Assessment of Flooding Risk Based on Environmental and Human Factors in Bangladesh," Clark University, GIS for International Development. Co-authored with Ting Wu.
- 2015** "Testing a Stepwise Procedure for Land Cover Classification of Heterogeneous Urban

- Landscapes Using Worldview-2 and LIDAR Data,” Clark University, Advanced Remote Sensing.
- 2015** “Geodatabase Design to Support Analyses of Urban Park Access,” Clark University, Spatial Database Development in Practice.
- 2014-2015** “Racial and Socioeconomic Equity in Urban Park Access: A Geostatistical Analysis of Philadelphia,” Clark University, Intermediate Quantitative Methods.
- 2014** “A Modern, Accessible Web Mapping Application For Clark University,” Clark University, Web Mapping and Open Source GIS. Co-authored with Jiayue Li, Melat Seyoum, and Shane D’Lima.
- 2014** “Parallel Computation Using Multiprocessing and ArcPy,” Clark University, High Performance Geocomputing/CyberGIS. One chapter out of three of tutorial on parallel Python multiprocessing, Amazon Web Services (AWS) and the “boto” Python library for AWS. Chapter co-authored with Jiabin Heng, Molly Cox, and Matt Gibb.
- 2014** “Landsat 8 Conversion Tool for ArcGIS,” Clark University, Computer Programming for GIS. Co-authored with Jiabin Heng and Jiayue Li.
- 2014** “Spatial Analysis of Housing Vacancy and Crime Rates in Baltimore, Maryland,” Clark University, Social Applications of GIS. Co-authored with Faleh Adlham.
- 2014** “The Effects of the Atlantic Multidecadal Oscillation on Atlantic Hurricane Frequency and Drought in the Amazon and Sahel Regions,” Clark University, Advanced Raster GIS. Co-authored with Matt Gibb and Ouya Zhang.
- 2013** “Analyzing Youth Arrest Patterns in Worcester, MA Using Spatial Statistics: 2009-2012,” Clark University, Advanced Vector GIS. Co-authored with Michelle Andrews.
- 2013** “Urban Expansion Detection and Analysis Comparing Three Cities in China,” Clark University, Introduction to Remote Sensing. Co-authored with Jiabin Heng, Faleh Aldham, and Holly Zanoni.
- 2013** “Junction Shop Mill Complex: Proposal for the Redevelopment of Worcester’s Original Incubator Space,” Clark University, People and Places. Co-authored with Deborah Albenberg, Fabiola Inzunza, and Lelani Williams.
- 2010** “Natural Hazard Risk in Haiti,” University of Mary Washington (with support from the Library of Congress), GIS Capstone Project.
- 2009-2010** “Media Representations and Place Perceptions of Stigmatized Neighborhoods in Washington, D.C.” University of Mary Washington, Undergraduate Thesis for Geography Departmental Honors. Advisor: Farhang Rouhani.
- 2009** “The Geography of Water Pollution in the Salton Sea” University of Mary Washington, Remote Sensing and Air Photo Interpretation.
- 2009** “Demographic and Crime Conditions Near Public Housing in Washington, D.C.” University of Mary Washington, Applications of GIS.

VOLUNTEER WORK AND ACTIVITIES

2012-13/17-18 Volunteer for The Homeless Children’s Playtime Network, Washington, D.C.

2011-2012 Volunteer tutor for Horton’s Kids, Washington, D.C.

2009-2010 Co-Chair of the Constitutional Order Committee, University of Mary Washington Student Senate, Fredericksburg, VA

2007-2008 Entertainment section writer for the University of Mary Washington newspaper *The Bullet*, Fredericksburg, VA