

BYRON A. MARROQUIN

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EDUCATION

University of Maryland, College Park, MD Graduate Certificate in Geospatial Information Sciences	Expected 2018
University of Maryland, College Park, MD M.S. in Geographical Sciences, GPA: 3.9 Thesis: Revisiting Invasion-succession Theory: A Spatiotemporal Assessment of Neighborhood Change in the Washington, D.C. Metropolitan Area Between 1970 – 2014	2016
University of Maryland, College Park, MD B.S. in Geographical Sciences, GPA: 3.5	2014
University of Maryland, College Park, MD B.A. in Criminology & Criminal Justice, GPA: 3.5	2012
Montgomery College, Rockville, MD A.A. in General Studies, GPA: 3.1	2009

PROFESSIONAL EXPERIENCE

University of Maryland, College Park, MD Scheduling Officer – Department of Geographical Sciences Create and manage academic course schedule for Undergraduate, PhD, & two Professional Masters programs for winter, spring, summer, and fall terms; adhere to campus deadlines and enforce University, College, and Provost policies; manage course restrictions; develop solutions to schedule changes; manage room reservations, department calendars, and yearly course listings Google spreadsheet; collaborate with faculty to produce, edit, and submit PCC and VPAC proposals; attend PCC proposal defense meetings; manage PCC and VPAC proposals in Curriculum Management system; develop lab schedule, gather course software requirements and student rosters for IT department for winter, spring, summer, and fall terms; attend Scheduling Office meetings	2015 - Present
University of Maryland, College Park, MD Academic Advisor – Department of Geographical Sciences Provided academic advising to undergraduates, transfer students, and prospective students regarding majors, minors, coursework requirements, internships and career opportunities; provided two presentations per semester about geography academic offerings across campus; tabled information fairs for undeclared students & students interested in STEM; assisted in planning Geography Career Fair with approximately 80 attendees, and assisted with graduation ceremony management; managed four office assistants, department website, and blog; assisted Undergraduate Director with course and curriculum changes, and marketing of summer and winter courses	2014 - 2016
Hola Cultura, Washington, DC Lead GIS Analyst & Cartographer Managed a team of three interns to research, collect, and map socio-demographic, cultural space, and housing data for study <i>Understanding DC Latino Settlement Patterns and Affordable Housing Through Oral Histories and Online Mapping</i> , Directed by Ronald Luna, PhD; produced over 100 spatiotemporal maps of Washington, D.C. neighborhoods between 1970-2014 including Hispanic population settlement patterns, changes in housing availability & cost, and the location of cultural spaces; presented findings to open public at a Gala Hispanic Theatre, and Mount Pleasant library in Washington, D.C., and at the Hola Cultura Panel on the D.C. Metro at the University of Maryland	2015
Windsor Green Community, Greenbelt, MD GIS Cartographer, Surveyor, & Technician Produced map portfolio of over 50 themes, engaged in fieldwork to update and validate geospatial database, and created geospatial procedural and learning materials for local residential community in Greenbelt; presented findings to community board members to assist with community remodeling	2015
World Bank GIS Technician & Researcher Assisted in collecting, organizing, and processing data required to produce maps in support for spatial analysis for Police Municipality of El Progreso, Honduras; assisted researching in project: <i>Spatial Analysis of Vulnerability to Crime/Violence and Climate Risk at the Local Scale in Honduras</i>	Summer 2014
Langley Park Community Center, Hyattsville, MD	

Coordinator – Extreme Teens Program

Provided counseling and resources to teens, planned and organized activities, and collaborated with staff to provide a fun and safe afterschool recreational alternatives

2012

TEACHING EXPERIENCE

Howard Community College, Columbia, MD

Adjunct Faculty – Geog102 Elements of Cultural Geography

Provided instruction for one section of GEOG102 Elements of Cultural Geography during winter; updated lecture material, developed syllabus, exam questions, grading rubrics, and managed course context on Canvas; graded term papers, short response weekly assignments, quizzes, & final exam

Summer 16', Summer 17'

University of Maryland, College Park, MD

Instructor – Geog330 Society and Sustainability in a Time of Great Change (online)

Managed one online section of Geog330 with 50 students; managed course content on ELMS, and two teaching assistants; graded papers, quizzes, weekly assignments; managed online blog discussion board; held virtual office hours

Winter 17', Summer 17'

University of Maryland, College Park, MD

Instructor – Geog110 Global Perspectives (online)

Taught one online section of Geog110 with 20 students; managed course content on ELMS; graded papers, quizzes, weekly assignments, and final exam; held virtual office hours

Summer 16', Summer 17'

University of Maryland, College Park, MD

Teaching Assistant – Geog130 Developing Countries

Facilitated classroom discussion for two sections of 25 students each; collaborated with other TA's to ensure course quality; graded papers, exams, and final course project; held weekly office hours to answer questions and provide feedback on graded material

Fall 13', Spring & Summer 14', Fall 15'

University of Maryland, College Park, MD

Teaching Assistant – Geog330 Society and Sustainability in a Time of Great Change (online)

Used Canvas online to grade daily reflection activities, weekly papers, and voice-recorded PowerPoint presentations, and blog discussions for 26 students

Winter & Summer 2015

University of Maryland, College Park, MD

Teaching Assistant – Geog211 Geography of Environmental Systems Laboratory

Held weekly lab sessions to assist students with lab assignments that provide introductory methods and techniques used in the study of environmental systems; diagnosed and troubleshot computer issues; graded lab assignments using online Canvas system; held weekly office hours

Fall 2014

University of Maryland, College Park, MD

Teaching Assistant – Geog201 Geography of Environmental Systems

Assisted with grading and proctoring of exams

Fall 2014

University of Maryland, College Park, MD

Tutor – Summer Transition Program (STP)

Taught geog130 review class, co-taught study-skills course, and held weekly study hall sessions to incoming high school students in STP program that focuses on preparation, retention, graduation, and success of students

Summer 2014

University of Maryland, College Park, MD

Tutor – Academic Achievement Programs (AAP)

Provided weekly tutoring to freshmen students taking Geog130; created weekly lesson plans and used quizzes to assess student progress; facilitated the learning process through active learning and encouraging classroom discussion

Spring & Summer 2014

Bucklodge Middle School, Adelphi, MD

Intern – Science & Social Studies

Assisted teachers in 7th grade science and social studies classrooms; school promoted the use of technology for learning; worked with students in groups to complete class work and projects using Keynote on iPad

2013

Montgomery Blair High School, Silver Spring, MD

Tutor – George B. Thomas Saturday Learning Academy

Taught study skills and test prep to high school students taking SAT & HSA exams; offered one-on-one assistance with English, Spanish, & Math homework

2012

University of Maryland, College Park, MD

Teaching Assistant – Ccjs230 Criminal Law

Analyzed court cases and compiled case briefs, graded all written work and administered grades, proctored exams, assisted professor during lecture, held office hours and met with students upon request

Fall 2011

RESEARCH EXPERIENCE

University of Maryland, College Park, MD

Summer Research Initiative (SRI) Scholar

Utilized remote sensing data to assist in identifying, classifying, and mapping global water extent; validated the accuracy of Landsat 30M satellite data using RapidEye 5m data; directed by Matthew Hansen, Ph.D

Summer 2014

University of Maryland, College Park, MD

Researcher – Geographical Sciences

Researched educational attainment in Prince Georges County, MD and developed a ranking system for assessing quality of public high schools based on mobility, attendance, graduation, and drop-out rates; collaborated with other student researchers to develop a web map displaying high school performance based on *High School Regions*; directed by Ronald Luna, Ph.D & Naijun Zhou, Ph.D

Fall 2014

University of Maryland, College Park, MD

McNair Scholar Summer Research

Researched the spatial relationship between low achieving public high schools, cultural spaces, and Hispanic population change from 2000-2010 in Montgomery, Prince Georges, Anne Arundel and Howard County in Maryland; directed by Ronald Luna, Ph.D

Summer 2013

University of Maryland, College Park, MD

Researcher – Urban Studies & Planning

Researched the living conditions and marginalization of the people living in Langley Park, MD; collected and analyzed qualitative data by interviewing community members to gauge awareness and concerns about future development plans and government initiatives; directed by Bill Hanna, Ph.D

Summer 2012

University of Maryland, College Park, MD

Study Abroad – Ireland & Northern Ireland

Performed case study on offender decision making and changing sanctions, focused on responsiveness of individuals to perceived costs and benefits associated with illegal behavior, compared effects of government policies and tactics on decision-making process, examined history of methods & interventions used to control political violence

Summer 2012

SERVICE

University of Maryland, College Park, MD

Diversity Taskforce – Geographical Sciences

Assist faculty members develop strategies for increasing student diversity in undergraduate and graduate level programs; report progress to Graduate Student Committee

2014-2018

VOLUNTEER EXPERIENCE

University of Maryland, College Park, MD

Instructor – Academic Sports Achievement Program (ASAP)

Taught reading and writing comprehension, and introductory level algebra and geometry to students in grades 5,6, and 7; developed test taking skills for PARRC exam (Partnership for Assessment of Readiness for College and Careers); provided college and career mentorship to underprivileged students

2016

University of Maryland, College Park, MD

BSOS Undergraduate – Graduate Mentoring Program

Provided graduate school, career, and internship guidance to Geography undergraduate student on a weekly basis

2014-2015

University of Maryland, College Park, MD

Committee Member – Latino Heritage Month Planning Committee

Planned and organized Lecture Series event on “The History and Political Trajectory of Latino Heritage Month”

2012

University of Maryland, College Park, MD

Student Panelist & Tour Guide – ESOL Program, OMSE

Counseled students on college preparation and conducted a campus tour

2012

Langley Park Community Center, Hyattsville, MD

Assistant Coach, Soccer

Instructed children ages 3-6 on basic principles of soccer & counseled individuals for personal development

2012

PUBLICATIONS AND PAPERS

“The Changing Geography of Maryland: Hispanics, Cultural Spaces, and Educational Attainment”

Research summary published in *Geograffiti*, Geographical Sciences departmental newsletter

2014

“The Immigrants of Langley Park”

Research report was published in *Action Langley Park* newsletter, Issue 260, 2012

2012

<http://hdl.handle.net/1903/13481>

PRESENTATIONS

Hola Cultura Panel on DC Metro, UMD

“Mapping historic Latino settlement patterns and the role of affordable housing”

July 2015

DC Latino History & Affordable Housing, GALA Hispanic Theatre, Washington, DC

“Mapping historic Latino settlement patterns and the role of affordable housing”

October 2015

Windsor Green HOA, Greenbelt, MD

“Looking forward to using a renovated map database for management and planning of Windsor Green HOA assets”

August 2015

Summer Research Initiative (SRI) Research Symposium, UMD

“Mapping Global Water Extent: Validating the Accuracy of Landsat 30M Satellite Data Using RapidEye 5m Data”

August 2014

National Association of Hispanic & Latino Studies (NAHLS) – Regional Conference, Tampa, FL

“The Changing Geography of Maryland: Hispanics, Cultural Spaces, and Educational Attainment”

July 2014

Undergraduate Research Day, UMD

“The Changing Geography of Maryland: Hispanics, Cultural Spaces, and Educational Attainment”

April 2014

McNair Scholars National Conference, UMD

“The Changing Geography of Maryland: Hispanics, Cultural Spaces, and Educational Attainment”

March 2014

Geographical Sciences Research Symposium, UMD

“Mapping Educational Attainment in Prince George’s County, MD”

November 2013

McNair Scholars Summer Research Symposium, UMD

“The Changing Geography of Maryland: Hispanics, Cultural Spaces, and Educational Attainment”

July 2013

PROFESSIONAL DEVELOPMENT

University of Maryland, College Park, MD

University Teaching and Learning Program (UTLP) – Associate Level

Professional development for graduate students in the area of teaching and learning in higher education

Current

Convention Center, Washington, DC

ESRI Federal GIS Conference

Attended training and innovation workshops for professionals

2015

University of Maryland, College Park, MD

GIS Workshops: Data Management & Spatial Analysis

Workshop for finding & evaluating data, utilizing 5 most common tools for GIS analysis, and performing geoprocessing on vector and raster data

2015

GUEST LECTURES & APPEARANCES

University of Maryland, College Park, MD

Lecturer – Geog413 Migration: Latin America and the United States

Taught lecture on “Identity” for upper level geography course

February 2018

University of Maryland, College Park, MD

Lecturer – Geog130 Developing Countries

Taught lectures on “What is Geography?” & “What is a Developing Country?” for Freshman Connection class.

September 2016

University of Maryland, College Park, MD Presenter – BSOS Ambassadors Presented on undergraduate research project, and research in Geography	May 2015
University of Maryland, College Park, MD Graduate Student Panelist – Geog212 Career Development Advised on graduate school and internship experience	October 2014
University of Maryland, College Park, MD Graduate Student Panelist – McNair Scholars Saturday Workshop Advised on graduate school application process and experience	October 2014
University of Maryland, College Park, MD Student Panelist – Summer Transitional Program (STP) Professional Workshop Advised on experience as an Academic Achievement Programs (AAP) tutor	July 2014

AWARDS

Bob Harper Writing Award, UMD	May 2014
Undergraduate Outstanding TA – honorable mention, UMD	May 2014
Undergraduate Student of the Month, UMD	July 2014
OMSE Academic Excellence, UMD	2011 – 2012
Dean’s List	2010 – 2013

MEMBERSHIPS

National Council for Geographic Education (NCGE)	Ronald E. McNair Scholar
Association of American Geographers (AAG)	BSOS Summer Research Initiative (SRI) Scholar
ESRI Young Scholars	Golden Key International Honour Society

LANGUAGES

Spanish – speak fluently, read with basic competence

COMPUTER SKILLS

ArcGIS 10.4.1	SQL	Degree Navigator
QGIS 2.14	Python 2.7	UAchieve
PostgreSQL 9.6	Microsoft Office 2013	AXISTV
GeoDa 1.6.7	Microsoft Windows Movie Maker	Warehouse on the Web (WOW)
ENVI 5.2	Apple Keynote	Testudo Curriculum Management
PCI Geomatica 2014	Student Information System (SIS)	Adobe Connect
CrimeStat 4.02	Elms/Canvas	BigBlueButton
Google Earth Pro	25Live	Cisco WebEx