

# Alicia F. Tyson | Curriculum Vitae

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Creative, dedicated, innovative analyst with advanced specialization in Geospatial Technologies applying inter/transdisciplinary, collaborative, capacity-building approaches to sustainable land use planning, hazard mitigation, watershed management, and natural resource conservation.

## Education

- Ph.D. Candidate, *Specialization in Watershed Sciences* – Colorado State University (CSU) 2015 - Present
- M.S., Geographic Information Systems – University of Denver (DU) 2010 - 2013
- M.A., Broadcast Journalism – University of Colorado-Boulder (CU-Boulder) 2000 - 2002
- B.A., Communication Arts/Spanish – University of Alabama-Huntsville (UAH) 1994 - 1999

## Skills & Expertise

**TECHNICAL:** Adobe Acrobat (Expert); ArcGIS all versions (Expert); ArcGIS for Server 10.1 (Proficient); ArcPro (Proficient); QGIS (Proficient); ArcSDE (Working Knowledge); Arc Hydro (Working Knowledge); Azure DevOps (Proficient); ENVI (Proficient); ERDAS (Working Knowledge); Flo-2D (Basic); Garmin GPSMAP C60X unit (Expert); GitHub (Expert); GPS Pathfinder Office (Expert); HTML (Proficient); IDRISI (Selva) (Expert); JMP Statistical Software (Proficient); Mapbox (Skilled); MapCalc (Expert); Matlab (Basic); MS Access (Proficient); MS Office suite (Expert); MS SQL Server Analysis (Proficient); PostgreSQL (Working Knowledge); Python (Basic); QuarkXpress (Expert); QGIS (Proficient); R for Data Analysis (Basic); SPSS Statistics (Proficient); SWAT (Soil & Water Assessment Tool) (Proficient); Trimble Juno St GPS Units (Expert); Trimble TerraSync software (Expert). **ANALYTICAL:** Advanced Data Management; Dynamic Presentation Delivery; Hydrologic/Sediment Modeling/Mapping; Relational Database Development; Remote Sensing/Imagery Analysis/LiDAR; Statistical Analysis. **PROJECT MANAGEMENT:** Agile methodologies and approaches (Expert); JIRA (Expert); Slack – Cloud-based Communication and Project Management App (Expert); Trello (Expert); MS Teams (Expert). **LANGUAGES:** English (Fluent, Native speaker); Spanish (Fluent).

## Relevant Professional Experience

**GIS Analyst (Research Associate II)** – CSU/USDA ARS [Partnership for Data Innovation](#) (PDI) Dec 2022 – Present

*Position funded through CSU, Dept. of Soil & Crop Sciences*

- Responsible for implementing advanced GIS support for the PDI suite of projects utilizing ESRI GI Technologies such as:
  - Map creation/publishing (ESRI ArcGIS Pro/Desktop), development of ArcGIS StoryMaps, creation of GIS models/scripts (ArcGIS model builder), design of field collection tools and dashboards (ESRI Survey123, collector and workforce), and documentation of processes and methods.

**Vetting Admin (Volunteer)** – URISA's (Urban and Regional Information Systems Association) GISCorps Apr 2020 – Present

- Validate and geolocate crowdsourced imagery and video of immediate impact from events (primarily tornadoes, tropical storms, hurricanes) identified by a worldwide group of volunteers and categorize applying FEMA lifeline guidelines and damage scores. Mapped images assist on the ground first responders in recovery, rescue, and response efforts.
- Recent NAPSOG (National Alliance for Public Safety GIS) missions include:
  - Hurricane Ian: Sep 2022; Hurricane Ida: Sept 2021; Hurricane Henri: Aug 2021; Hurricane Zeta: Oct 2020; Hurricanes Laura & Marco: Aug 2020; SE Tornadoes: April 2020

**Assistant Extension Educator** – UConn, CT Sea Grant/US EPA, Long Island Sound Study (Groton, CT) Nov 2021 – Nov 2022

- Coordinate with LISS (Long Island Sound Study) Sustainable & Resilient Communities Workgroup team members in both CT and NY to efficiently and effectively implement a 5-year workplan supporting goals of the Long Island Sound Study Program.
- Actively incorporate environmental justice and equity best practices, leading workshops and collaborative programming with local community groups and Native communities throughout the region and EPA's LISS Program.
- Lead targeted support of a USGS Compound Flood Risk Model project.

- Provide educational resources/technical support to increase capacity for municipalities to achieve sustainability and resilience goals under the LISS CCMP (Comprehensive Conservation Management Plan).
- Provide technical assistance related to planning tools designed to enhance sustainability and resilience.
- Provide technical assistance for overlay zones and other land use mechanisms to sea level rise and other sustainability/resilience issues.
- Inform and educate communities about the availability and best practices for obtaining grants assistance.

**Project/Program Manager** – Progressive Partnering, Inc (Nashville, TN)

May 2020 – July 2021

- Managed partner relationships across 12 states and 13 partners in the 811/OneCall industry.
- Conducted a partnership-wide Needs & Capacity Assessment for strategic planning of products, program development and to drive business decisions.
- Crafted and led improved production processes, coordinated tracking, and streamlined delivery cadence resulting in an increase in build release frequency from 6+ months to every two weeks.
- Coordinated projects transitioning the communications/collaborative platform from Slack to MSTEams and software development and case management from JIRA to Azure DevOps.
- Designed and developed new production workflow and style/formatting guidelines for GeoCall Documentation product to support user and developer end needs.
- Established and served as Program Manager for partnership-wide GIS Program.
- Managed GIS technical advisement and internal software development team training for mapping/GIS specific components of the product and related workflows.
- Led monthly Development Council meetings (remote) using Lean Coffee/Agile approach to create an empowered, collaborative, consultative, productive space.
- Facilitated (remote) strategic planning for representatives from 5 Partners focusing on GIS centered goals, resource management challenges, and needs utilizing dynamic team engagement and Agile-centered techniques.
- Initiated and led internal Lunch n Learn sessions aimed at deepening understanding of Agile approaches and healthy team dynamics.

**Research Assistant, Special Appointment** – University of Puerto Rico – Mayagüez (Mayagüez, PR)

Dec 2018 – Jan 2020

- Led data management of geospatial data inventory (>50 datasets) used in assessing hydrologic and landslide impact from Hurricane Maria to Western Puerto Rico, as part of NSF CRISP Project, *Integrated Socio-Technical Modeling Framework to Evaluate and Enhance Resiliency in Islanded Communities*.
- Incorporated applied GIS and spatial data analytics to QA/QC and process data inputs for Vflo flood model.
- Coordinated field data collection and spatial analysis of impact of landslides to critical infrastructure and land use for use in long-term sustainable management planning.
- Provided key strategic planning, project management, and training support for undergraduate students and service contractors implementing NSF CRISP ERIC social assessment projects throughout western Puerto Rico.
- Coordinated multidisciplinary team efforts between researchers in Puerto Rico, New York, and Arizona across geophysical, energy, built environment, atmospheric science, social science, and network modeling disciplines.
- Developed and led workshops and trainings to facilitate inter and transdisciplinary analysis, mapping, and modeling.
- Local project representative and presenter at multiple regional conferences, workshops, and inter-agency watershed management planning meetings.

**Naturalist (Volunteer)** – OSMP (Open Space and Mountain Parks) (Boulder, CO)

Jan 2010 – Jan 2019

- Led interpretive naturalist hikes for children Kindergarten – 12<sup>th</sup> grade.
- Interfaced with general public and K-12 schools/community organizations as representative of Boulder Open Space and Mountain Parks.
- Researched and prepared activities on wide range of topics including wildlife of the Colorado front range, cultural history, outdoor safety, hydrology, wildlife adaptation and geology.

**Lab Instructor, Intro to Geospatial Applications** – CSU (Fort Collins, CO)

Jan – Dec 2018

*Intro to Geospatial Applications* – Dept. Forest and Rangeland Stewardship; *Intro to GIS* – Dept. Ecosystem Science & Sustainability

- Prepared and taught two sections of lab-based lecture and demonstrations of fundamental principles of Geographic Information Systems and introduction to ArcGIS software.
- Supported lead instructor with grading and analysis of student performance.

**Instructor, Physical Sciences (Geology)** – Arapahoe Community College (Littleton, Castle Rock, CO)

Jan 2014 – Aug 2015

- Planned and developed curriculum (lecture and lab) in accordance with ACC requirements for effective teaching of the physical processes fundamental to the field of geology.
- Organized and implemented a diverse learning experience through application of emerging technologies and creative field-based learning opportunities.
- Directed and evaluated the learning experience of the students using curricula and approved procedures in accordance with the State Board for Community Colleges and Occupational Education.

**Research Assistant** – U.S. Geological Survey/CU-Boulder (Boulder, CO)

July 2013 – Nov 2014

- Converted archived (hard-copy) streamflow-gaging station records for Rio Puerco (NM) to digital form and created and managed associated databases.
- Digitized scanned strip charts (hydrographs) in ArcGIS 10.1/10.2, process hydrographs to correct for reversals and shifts in the strip chart record and apply appropriate rating curves to reconstruct gage height and flow.

**Data Manager/Research Associate I** – U.S. National Park Service (Lakewood, CO)

Sep 2013 – Jan 2014

- Conducted enterprise GIS (EGIS) data management including backup and compression using ArcGIS Server 10.1.
- Assisted in development of a draft Transportation GIS Data Standard.
- Assisted with design, development, and maintenance of national enterprise database for use by NPS parks, programs, and affiliates on both internal and public facing web sites, and server maintenance and support.

**GIS Intern, Pilot Transportation Project** – U.S. National Park Service (Lakewood, CO)

Feb – Aug 2013

- Performed data QA by aggregating and managing GIS transportation data utilizing ArcMap 10.1, ArcSDE and data management tools and techniques submitted for 12 selected national parks as part of a pilot project with the goal of developing a national enterprise transportation GIS data layer.
- Developed and documented standard operating procedures (SOPs) for working with the transportation EGIS database.

**Teaching Assistant, Geosphere/Hydrosphere** – DU, Women's College (Denver, CO)

Mar – Aug 2013

- Led discussion sessions and tutorials to advance critical thinking and application of scientific methods for non-science majors and non-traditional students.
- Assisted in completion of laboratory assignments by demonstrating application of concepts and use of equipment.

**Natural Sciences Tutor** – DU, Learning Effectiveness Program (LEP) (Denver, CO)

Oct 2011 – Apr 2013

- Provided creative and uniquely tailored learning environment for topics including: atmospheric science, geography, and hydrology.
- Assisted in the development of organizational, time management, and study strategies.

**Teaching Assistant** – DU, Dept. of Geography (Denver, CO)

Jun – Aug 2011

- Led lab instructor for following courses: Environmental Systems-Weather (GEOG 1201); Environmental Systems-Hydrology (GEOG 1202); Environmental Systems-Geology (GEOG 1203).
- Supported other lead instructors with development and implementation of field-based learning opportunities.
- Graded all lab assignments and lecture session exams for ~50 students over three intensive sessions.

**Journal & Marketing Project Specialist** –National Environmental Health Association (Denver, CO) Oct 2003 – Aug 2009

- Coordinated significant revisions/projection planning and analysis of association website; implemented association-wide system for updates.
- Implemented significant update to database system for tracking manuscript submissions; instituted peer reviewer enrollment, updating, and tracking system.
- Coordinated and co-managed peer review process for *Journal of Environmental Health*.
- Wrote/edited association monthly/bi-weekly e-newsletter.
- Assisted with coordination and development of annual conference program book/promotional products.
- Managed exhibitor correspondence, registration and contracts for annual national exhibition; created system for tracking exhibition opportunities.

**Instructional Design Analyst (contract)** – Accenture Learning Services/Avaya University (Highlands Ranch, CO) July – Oct 2003

- Researched, wrote, edited, and designed Instructor-led Training and Virtual Instructor-led Training materials for IP Telephony Avaya University voice and data products.

**Media Assistant, New Media Developer** –Tysonmedia.com (Huntsville, AL) Mar 2003 – Aug 2006

- Managed and developed web content for clients; Assisted in consultation of new contracts; assisted in creation of promotional artwork/marketing materials.

## Publications/Presentations/Conference & Workshop Experience

Tyson, A.F. Co-Facilitator. Oct 2022. *Leveraging Systems Thinking and Geospatial Technologies for Advanced Sustainable Watershed Management*. Meeting: CACIWC (Connecticut Association of Conservation and Inland Wetlands Commissions) 45th Annual Meeting and Environmental Conference. Co-Facilitator: Emily Wilson, UConn CLEAR (Center for Land Use Education and Research. North Haven, CT.

Tyson, A.F. Presenter. Oct 2022. *Integrating Environmental Justice in Climate Adaptation Science*. Symposium: Northeast Regional Climate Adaptation Science Center. Virtual Presentation & Facilitated Workshop.

Tyson, A.F. Workshop. May 2022. *Spatial thinking in the STEM classroom: Applying geospatial storytelling to understanding climate change impacts*. Featured workshop at 2022 CT Envirothon. Tolland Agricultural Center, Vernon, CT.

Tyson, A.F. Featured Presenter. Apr 2021. *Examining the relationship between landscape and social vulnerabilities, resilience, and effective disaster risk reduction in a post Hurricane Maria Puerto Rico*. Meeting: University of Utah City & Metropolitan Planning. Virtual presentation.

Tyson, A.F. Presenter. Nov 2019. *Analysis of landslide impact in the Río Grande de Añasco Watershed: Preliminary assessment of impact to hydrology and transportation infrastructure*. Basin Wide Initiatives for Improved Coastal Resilience Conference. Poster Session. Sponsored by UPRM – Coastal Resilience Center, US Army Corps of Engineers Engineer Research & Development Center, in partnership with the Water Operations Technical Support Program. Mayagüez, Puerto Rico.

Tyson, A.F. Presenter. Oct 2019. *Analysis of landslide impact to transportation infrastructure and river morphology – Río Grande de Añasco Watershed*. Enhancing the Resiliency of Critical Infrastructure in Islanded Communities: An Integrated Approach Symposium, Oral Presentation, Oct. 24, 2019. New York, NY. Sponsored by The City College of New York and National Science Foundation.

Tyson, A.F. Presenter. Oct 2019. *Analysis of landslide impact in the Río Grande de Añasco Watershed: Preliminary assessment of impact to hydrology and transportation infrastructure*. Enhancing the Resiliency of Critical Infrastructure in Islanded Communities: An Integrated Approach Symposium, Poster Session, Oct. 24, 2019. New York, NY. Sponsored by The City College of New York and National Science Foundation.

Tyson, A.F. Participant. “Regional PR Water and Sewer Authority (PRASA) response to Hurricane María and the post event resilient water infrastructure recovery activities.” Presenter, Ing. Joel Lugo Rosa, Director of AAA Western Region. Sponsored by the UPRM – Coastal Resilience Center, Oct 2019. Certification received.

Tyson, A.F. Participant. “Simposio de Rehabilitación y Manejo Integrado de Cuencas Hidrológicas en Puerto Rico”. University of Puerto Rico – Ponce, October 2019. Ponce, Puerto Rico.

Tyson, A.F. Presenter. Oct. 2019. *Leveraging geospatial analysis of landslides triggered by Hurricane Maria to evaluate impact to built and transportation infrastructure and river morphology: Enhancing disaster risk reduction in the Río Grande de Añasco Watershed*. Fort Collins Data Science Meetup Group. Virtual presentation.

Tyson, A.F. Participant. “Seminario de Manejo Integrado de Escorrentías” [Integrated Stormwater Management Workshop]. Presented by ReImagina Puerto Rico, June 2019. Ponce, Puerto Rico.

Tyson, A.F. Participant. “Conference and Workshop: Low Impact Development (LID) Solution to Coastal Hazard”. Presented by the University of Puerto Rico-Mayagüez Coastal Resilience Center (a U.S. Dept of Homeland Security Center of Excellence) in partnership with the U.S. Army Corps of Engineers, April 2019. Mayagüez, Puerto Rico.

Tyson, A.F. Presenter. June 30, 2018. *¿Cuál es el papel de la conservación y la gestión del medio ambiente en el desarrollo de la capacidad de resiliencia?*. Taller: Encuentro de Jóvenes de Puerto Rico, *Construyendo Futuro*, June 29 – July 1, 2018. Aguada, Puerto Rico.

Tyson, A.F. Participant. [2017 Global Platform for Disaster Risk Reduction](#). Organized by United Nations Office of Disaster Risk Reduction, May 2017. Cancun, Mexico.

Tyson, A.F., David-Chavez, D, Eisenstat, R., Folsom, J., Jones, O., and Yumie Aoki, C. 2017. *Moving past rhetoric: Incorporating social justice theory and praxis that honors, empowers, and transforms research with underrepresented/marginalized communities*. Presentation and Workshop. Environmental Justice in the Anthropocene Symposium, April 2017. Fort Collins, CO, USA.

Tyson, A.F. Participant. [5th Annual Workshop of Rising Voices: Collaborative Science with Indigenous Knowledge for Climate Solutions](#). April 2017. Boulder, CO, USA.

Tyson, A.F., Covino, T., Riveros-Irequi, D.A., & R. Gonzalez-Pinzon. 2015. *Examination of land use, hydrology, and perceptions of use and management of the Colombian Paramo with implications for water quality and availability concerns for affected watersheds*. Poster Session. American Geophysical Union Fall Meeting, December 2015. San Francisco, CA, USA.

Tyson, A.F. 2014. *Exploratory approach to addressing challenges of natural hazards management in Machu Picchu Pueblo, Peru – GIS prototype modeling of landslide susceptibility and risk perception*. Paper Session, Climate Risk Management. Association of American Geographers (AAG) Annual Meeting, March 2014, Tampa, FL.

Tyson, Alicia F. Presenter. [GIS prototype modeling of landslide susceptibility and risk perception – Aguas Calientes \(Machu Picchu Pueblo\), Peru An exploratory approach](#). GIS in the Rockies, October 2013. Denver, Colorado, USA.

Tyson, Alicia F. Presenter. *GIS modeling of landslide susceptibility and risk perception – Aguas Calientes (Machu Picchu Pueblo), Peru*. Association of American Geographers Annual Meeting, April 2013. Los Angeles, California, USA.

Tyson, Alicia F. *Geography in the Americas: Making the most of student exchanges for research and study abroad*. Panel Session. Association of American Geographers Annual Meeting, April 2013. Los Angeles, California, USA.

Green, Alicia F. *Modeling landslide susceptibility and risk perception in Aguas Calientes (Machu Picchu Pueblo), Peru*. Poster Session. GIS in the Rockies, September 2012. Denver, Colorado, USA.

## Certifications/Memberships

**Certification** (Feb 2021) – ICAgile (International Consortium for Agile) Certified Professional, Agile Team Facilitation.

**Certification** (Dec 2019) – NOAA, Sea Grant UPRM (University of Puerto Rico – Mayagüez), CIRC UPRM, and UPRM – Coastal Resilience Center (CRC) Course, “GIS Training for Coastal Resource Professionals”.

**Certification** (Dec 2019) – U.S. EPA, Watershed Academy Courses, “Adaptive Management Strategies for Ridge to Reef Conservation”.

**Certification (Training)** (May 2019) – Texas A&M University course, “Introductory SWAT course”.

**Certification (Training)** (May 2019) - Texas A&M University course, “Advanced SWAT course”.

**Certification** (Feb 2015) – UCAR (University Corporation for Atmospheric Research) COMET Program course, “Sedimentation Impacts Under Climate Change.”

**Certification** (2013) – ESRI Creating and Maintaining Metadata Using ArcGIS Desktop (online course).

**Certification** (2013) – ESRI Data Transformation with ArcGIS Data Interoperability Spatial ETL Tools.

**Women in Geospatial+**, 2020 – Present

**Member, ASABE** (American Society of Agricultural and Biological Engineers). Aug 2021 – Present.

**Member, URISA** (Urban and Regional Information Systems Association). 2020 – Present.

**Member, AWG** (Association of Women Geoscientists). 2018 – Present.

**Member, GWIS** (Graduate Women in Science), Northern Colorado Chapter. 2016 – Present.

**Member, AGU** (American Geophysical Union). 2015 – Present.

**Member, URISA’s GISCorps**. 2014 – Present.

**Member, AAG** (Association of American Geographers). 2011 – Present.

## Field/Research Experience

*Jan 2019 – Jan 2020: Western Puerto Rico, Río Grande de Añasco Watershed*

**Project: “Examining the Relationship between Landscape and Social Vulnerabilities, Resilience, and Effective Disaster Risk Reduction in a Post Hurricane Maria Puerto Rico: Assessment of Sustainable Watershed Management in the Río Grande de Añasco Watershed”, Colorado State University**

- Led field data collection of landslides throughout the watershed including both GPS data collection and assessments of slope stability and ecological response.
- Mapped landslide density, slope stability, relationships between soil type and land use and landslide distribution and the results of a proximity analysis of landslides to roads and hydrologic features.
- Analyzed the spatial relationship between regions of moderate to high landslide density and proximity to stream channel input points aid in identifying landscape vulnerabilities, particularly as relates to sedimentation.
- Developed a socio-ecological risk assessment and socio-ecological vulnerability matrix for use in assessing landscape and social system vulnerability and capacity for resilience and enhanced land use management.
- Engaged with local farmers and residents to assess perceptions of risk and impact from landslides, flooding, and other ongoing hazards.

*June – Aug 2017: Forests of Central Rocky Mountains (Northern Colorado and Southern Wyoming)*

**Project: “The Ecological Effects of Bark Beetles, Wildfires, and Their Interactions in Rocky Mountain Subalpine Forests”, Colorado State University**

- Assisted with collection of field data to assess ecological impact of compound disturbances, specifically wildfire and bark beetle, on forest health and resilience.
- Data collection involved navigating rough terrain, hiking for miles in varying weather conditions, and camping for up to a week near sites.

*July–Aug 2012: Aguas Calientes (Machu Picchu Pueblo), Peru*

**University of Denver, Master’s Research Project, GIS Modeling of Landslide Susceptibility and Risk Perception - Aguas Calientes (Machu Picchu Pueblo), Peru**

- Conducted 25 semi-structured interviews (included sketch mapping) and ethnographic observational data.
- Collected GPS point and line data using Garmin GPSMAP C60X.

*April 2012: Snowmass, CO*

**Denver Museum of Nature and Science, Snowmastadon Project**

- Assisted in site selected and installation of Passive Dust Monitor.
- Collected dust on snow samples used to compare to basin sediments.

Dec 2011: Peru – Inka Trail (Km 82 to Machu Picchu Sanctuary), Machu Picchu Sanctuary, train route from Cuzco to Puno, Trail across island of Taquile, Lago Titikaka

**University of Denver, Course Data Collection Project, Geospatial Surveying Machu Picchu**

- Collected GPS point and line data using Trimble Juno St handheld unit and image data using digital camera and GPS camera.
- Trained two University of Denver undergraduate students in data collection methods and use of GPS unit.

Nov 2011: Denver, CO

**Rocky Mountain Arsenal National Wildlife Refuge, Analyzing Abandoned Trail Viability and Proposed Pathways Using GPS and Least Cost Path Analysis**

- Collected GPS point and line data using Trimble Juno St handheld unit and image data using digital camera along abandoned section of trail and two newly established trails.
- Data collected assisted US Fish & Wildlife Service in assessing the financial and labor feasibility of restoring the abandoned trail and of new trail connecting wetlands within the abandoned section with the Rod and Gun Club Pond.
- Data collected along two new trails used to provide a new trails map for public use.

Aug 2011: West Greeley Conservation District (WGCD), Weld County, CO

**University of Denver, Project: Characterizing tillage practices with multiple endmember spectral mixture analysis of crop residues using derived remote sensing data**

- Assisted with data collection using Analytical Spectral Device (ASD) full range spectrometer and other standard field surveying methods including Nadir-view image data collection.

## Awards/Recognition

**Selected Fellow**, Colorado State University International Presidential Fellows Program, 2017-2018.

<http://international.colostate.edu/international-presidential-fellows-2017-2018/>.

**Recipient**, Rocky Mountain URISA (Urban and Regional Information Systems Association) PhD Scholarship. 2016.

**Recipient**, [National Science Foundation I-WATER \(Integrated Water Atmosphere Ecosystems Education and Research\) Research Fellowship](#), Colorado State University. 2015.

**Presenter**, University of Denver Pioneer Ambassador Science Careers Dinner. University of Denver. 2014.

**Finalist**, Association of American Geographers (AAG), Geographic Information Science & Systems Paper Competition. 2013 AAG Conference – Los Angeles. 2013.

**1st Place**, Poster Session, 2012 GIS in the Rockies. Poster: *Modeling landslide susceptibility and risk perception in Aguas Calientes (Machu Picchu Pueblo), Peru*. 2012.

**Recipient**, Laurance C. Herold Fund for Student Field Research. Funding provided by University of Denver, Geography Department to support completion of field work in Peru conducted to meet degree requirements of the MS in GIS degree program. 2012.

**Recipient**, University of Colorado-Boulder – Graduate Fellowship. 2000.

## Interests

Traveling; Cycling; Hiking/Backpacking; Camping; Kayaking/Rafting/SUP; Snowshoeing; Published poet; Cooking; Yoga; Soccer; Playing Ukulele; Community Service Projects; Pottery.