

ALICIA MILLIGAN

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HIGHLIGHTS OF QUALIFICATIONS

Leadership and Planning

- Collaborative partner in public participatory project design, implementation, and evaluation
- Completion of PMP courses
- Team member in local and global projects engaging the public, community and stakeholders
- Proven leader managing teams and mentorship programs
- Experience managing instructional setting, providing guidance and mentoring individuals

Data Management and Analysis

- Proficient in quantitative and qualitative analysis methods
- Skilled at designing and maintaining databases and datasets, ensuring data integrity
- Knowledgeable of desktop, web, mobile and participatory data collection methods and systems
- Teach geospatial concepts, foundational principles, GIS tools/techniques and open-source resources

Design and Communication

- Produce cartographic results through maps, web maps, infographics, and publications
- Published work in journals and books
- Awarded for cartographic design
- Designed public facing interactive web map surveys collecting qualitative and quantitative data
- Educate on cartographic and design techniques
- Experienced at public speaking virtually and in-person

RELEVANT EXPERIENCE

Geospatial Programs Advisor - Department of Geography, Portland Community College

8.2021 - Present

PT GIS Faculty Instructor | Curriculum Developer - Department of Geography, Portland Community College

3.2020 - Present

- Implemented fully remote teaching techniques for remote online instruction of technical concepts and software systems
- Instruct on designing project goals, developing project planning methods, and executing project plans, including presentation techniques for community groups and public awareness
- Maintain and create class curriculum incorporating instruction of spatial analysis, data management, geospatial concepts, cartographic techniques and design, data visualization, technical use of multiple software platforms, accessing/creating datasets, community collaboration, and management of projects and portfolio design
- Design course content and syllabus, prepare lectures and in-class exercises, create exams and study material to achieve course objectives, and serve as a student mentor
- Instructor of record for GEO170-Maps and Geographic Information (Spring 2020) *class size-30*
- Instructor of record for GEO244-Interactive Map Design (Fall 2021) *class size-30*
- Instructor of record for GEO265-Introduction to GIS (Fall 20, Winter 21 [2 sections], Spring 21, Summer 21, Fall 21, Winter 22) *class size-30*
- Instructor of record for GEO270-Building a Map Portfolio (Winter 21, Spring 21, Fall 21) *class size- 10-30*

Research Assistant - Department of Anthropology, Portland State University

7.2018 – Present

- Cartographer and GIS Analyst for Professor Jeremy Spoon in the Disaster as a Catalyst for Social-Ecological Transformation: Nepal Critical Transitions Project. Performed GIS analysis using quantitative and qualitative techniques for disaster resilience research in Nepal
- Continuing research and analysis in recently NSF funded phase 4 of disaster resilience in response to 2015 Nepal earthquakes

Adjunct Professor - Department of Geography, Portland State University

9.2019 – 12.2019

- Instructor of record for GEOG380-Maps and Geographic Information (Fall 2019) *class size-45 students*

Cartographer/Cartographic Editor - Portland State University

6.2019 – 9.2019

- Collaborative partner in producing spatial analysis and cartographic design of various chapters for a book publication written by David Banis and Hunter Shobe called *Upper Left Cities*

Assistant Research Analyst - Center for Spatial Analysis and Research, Portland State University

12.2017 – 6.2019

- Performed spatial analysis and cartographic applications of environmental and land management data collected from the custom designed public participation GIS application for the Human Ecology Mapping project of Central Oregon Forests
- Project management, collaboration and coordination with US Forest Service, Discover Your Forest and other external partnerships
- Published a handbook for performing Human Ecology Mapping projects and US Forest Service HEM project

Cartographer II - Center for Spatial Analysis and Research, Portland State University

3.2017 – 11.2017

- Worked in partnership with U.S Fish and Wildlife to georeference and mosaic historical aerial photos of wildlife refuges in the Pacific Northwest

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EDUCATION

Master of Science in Geography <i>Portland State University, Portland, Oregon</i> <i>Thesis – “My Mountain, Your Mountain, Our Mountain: Incorporating Emotional and Sensory Experiences in Mapping Sense of Place in Mount Hood National Forest”</i>	Summer 2021
Graduate Certificate in Geographic Information Systems <i>Portland State University, Portland, Oregon</i>	June 2018
Bachelor of Science in Geography and Sustainable Urban Development Minor Urban Design Graduate courses <i>Portland State University, Portland, Oregon</i>	June 2009

CERTIFICATIONS

Certificate of Innovation in College Teaching <i>Portland State University</i>	Graduated May 2019
Human Subjects Research <i>CITI Program, License 29845247</i>	December 2018-2021

SKILLS

GIS Tools

ArcGIS Pro, ArcMap, ArcGIS Online, ArcGIS Server, Field Maps (Collector) for ArcGIS, Survey 1-2-3, QGIS, QGIS 2 Web, Google My Maps, ENVI, Google Earth, SQL, PostgreSQL, ESRI Story Maps, ESRI Custom Web App Builder, ESRI Dashboards, ESRI Experience Builder, Mapbox Studio

Web Tools

HTML, CSS, JavaScript, Visual Studio Code, Notepad ++, Various CMS Platforms

Office Tools

Microsoft Office—Word, Excel, PowerPoint, Publisher, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, GIMP 2, Google Suite of Tools, Mac OS Office Software, Zoom, Social Media Tools – (Facebook, Instagram), Template Website Builders (Wix, Weebly, Square Space)

LEADERSHIP | VOLUNTEER EXPERIENCES

President - Oregon URISA Emerging Professionals	2018-Present
Board Member - FoodWaves, Non-Profit Educational Farm	2018-Present
Representative Board Member - College of Liberal Arts and Sciences (CLAS) Collaborative, Portland State University	2019
President - PSU Chapter of ASPRS	2018-2019
Student Leader - Student Activities and Leadership Program (SALP), Portland State University	2017-2019
Theta Alpha – Chapter of Gamma Theta Upsilon – Portland State University	Awarded 2019
Program Liaison - Emerging Professionals Mentorship Program	Sept 2019-June 2020
Geography Mentor - Student of St. Mary's Academy High School	2019
Teaching Mentee - French American International School	2018-2019
Volunteer Coordinator - GIS In Action Conference	2019
Social Ambassador - Geography Dept PSiloveU Fundraising Campaign - Raised \$3,910	Feb-Mar 2019
Volunteer - GIS In Action Conference	2017, 2018, 2019
Organizer and Host – HOT OSM Humanitarian Relief Missing Maps Map-a-thon's	2018, 2019
Event Coordinator - Portland Cartography Symposium	2018
Website creator/manager - Portland Cartography Symposium https://portlandcartography.wixsite.com/2018symposium	2018