

Ginevra Ryman

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EXPERIENCE

GIS Specialist

2019 - 2024

Friends of the Dunes | PO Box 186 Arcata CA 95518 | 1-707-444-1397 | Supervisor: Suzie Fortner | suzie@friendsofthedunes.org

- Produced maps for use in grant writing, conservation planning, and reports to external agencies using ArcGISPro.
- Set up ArcGIS Online for the organisation and created files and maps for field staff to use in ArcGIS FieldMaps.
- Obtained my FAA remote pilot certificate and flew DJI mini2 to collect aerial imagery for georeferencing.
- Created an ArcGIS Storymap for use in a public national monument campaign.
- Participated in GPS mapping of invasive species and creation of restoration plans.

Tour Operator/Guide

February 2016 - May 2017

San Diego Zoo Safari Park | Escondido, California

- Guided caravan tours into the large field exhibits, walking tours, school field trips, and behind-the-scenes tours.
- Educated guests about the plant and animal collections and the zoo's global conservation efforts.
- Interacted with people of all ages, backgrounds, and abilities and was responsible for guest safety.

GIS Specialist

October 2010 - October 2014

McHenry County Conservation District | Woodstock, Illinois

- Managed and analysed spatial data for the natural resource department.
- Assisted with county and region-wide conservation planning efforts, including a green infrastructure plan and creating a new national wildlife refuge.
- Participated in field work such as GPS mapping, prescribed burns, wildlife and plant field surveys, and seed collection.
- Purchased iPads for field staff and trained them on ArcGIS Mobile, increasing the speed and accuracy of data collection and improving field staff productivity. This helped replace paper-based workflows.
- Created spatial data through digitisation and georeferencing.
- Produced maps for all departments, board meetings, and the public. Interpreted aerial photography.
- Taught classes for the education department and the People and Nature Certificate Program, as well as at local libraries and community colleges.
- Managed a GIS intern during the summer months.

Adjunct Faculty/Lecturer

Aug. 2010 - Dec. 2010

Lake Forest College | Lake Forest, Illinois

- Taught the environmental studies course, geography and demography, to a class of 30 students, covering many topics, including basic GIS skills, culture, migration, environmental issues, and urban planning.
- Created GIS labs and collaborated with a forestry class to train them in GPS use and assist in mapping campus trees.

Graduate Seminar Organizer

Aug. 2009 - Dec. 2009

Duke University | Durham, North Carolina

- Arranged and implemented a graduate-level course on the practice of private land conservation.
- Gave students an introduction to conservation easements and other voluntary measures, conservation finance, stewardship and monitoring, and evaluation of conservation projects.

Land Protection Intern

May 2009-Aug. 2009

Southern Appalachian Highlands Conservancy | Asheville, North Carolina

- Identified priority tracts using GIS modelling and created maps for the land protection manager to use while negotiating easement terms with land owners and preparing conservation easements.
- Participated in local green infrastructure planning and environmental advisory committees. Contributed to stewardship and monitoring of properties.

Research Assistant

Aug. 2008-May 2009

Duke University | Durham, North Carolina

- Developed a pictorial key of trees of the Peruvian Amazon. Improved database efficiency by switching to MS Access.

Laboratory Technician

May - December. 2007

Jetz Lab, University of California, San Diego | San Diego, California

- Developed and managed databases and conducted GIS analysis in global macroecology and conservation studies.

FIELD EXPERIENCE

Field Entomology Assistant

January - June 2008

USGS | Hawaii Volcanoes National Park, Hawaii

- Conducted experiments on the control of invasive ants with pheromones and the effects of introduced parasitoid wasps on the conservation of native caterpillars.
- Gained experience with insect identification, design of field experiments, and methods in insect rearing.

Forest Ecology Research Assistant

June 2005 - January 2007

Sousa Lab, UC Berkeley | Panama

- Spent three field seasons at the Smithsonian Tropical Research Institute's Galeta Marine Station in Panama as a research assistant on a long-term mangrove ecology project.
- Worked with two distinct aspects of the project: studying the plant community and the disturbance ecology of both abiotic forces and biotic effects due to insects.

EDUCATION

University of Canterbury, Christchurch, New Zealand | Master of Geospatial Data Science

Expected February 2026

University of Wisconsin, Madison | Advanced GIS Capstone Certificate

December 2024

- Completed coursework in graphic design in cartography, geocomputing, and geodatabase design and development.

Duke University | Master of Environmental Management with Certificate of Geospatial Analysis

May 2010

- **Master's thesis:** Spatial analysis of ecological and social benefits of private land conservation in Western North Carolina
- Completed coursework in conservation GIS, advanced GIS, remote sensing, landscape ecology, spatial analysis, multivariate analysis, ecosystem management, adaptation to climate change, ecotourism, and
- environmental law.
- Honours: Doris Duke Conservation Fellowship for outstanding promise in conservation leadership 2009-2010; Nicholas School Merit Scholarship.

University of California, Berkeley | Bachelor of Science with honours

May 2007

- Major: Molecular Environmental Biology with emphasis in biodiversity.
- Completed coursework in conservation biology, biogeography, field entomology, population modelling, wildlife ecology, environmental economics, environmental science, evolution, genetics, biochemistry, animal behaviour, and paleoecology.
- Senior honours thesis: Refining range maps for macroecology and conservation.

SKILLS

ArcGISPro | ArcGIS Online | ArcGIS Field Maps | Python | Adobe Illustrator | Spatial Analysis | R | ERDAS Imagine