

LEAH TSOSIE

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Example of a resume reduced from a long CV for a Ph.D. student seeking jobs outside of academia. Looking for a CV example? See our resources & tools on our website, career.arizona.edu

SUMMARY OF QUALIFICATIONS

- fire, plant, soil and restoration ecology, and natural resource policy knowledge
- experience creating and maintaining sustainable ecological systems
- DNA extraction, PCR, gel electrophoresis, plant and soil analysis lab techniques
- esri ArcGIS for Desktop 10.1, Access, Adobe Photoshop, web applications, analytics
- grant writing, technical scientific writing, budget and project management
- fluent in Spanish and Navajo (Diné Bizaad)

EDUCATION

University of Arizona, Tucson, AZ

Ph.D. in Natural Resources Management, May 2016

Wildlife and Fisheries Conservation and Management

Dissertation: *"Climate Impact on Fire Severity in Western National Parks"*

Alfred P. Sloan Foundation Indigenous Graduate Partnership, 2012-present

Science Foundation Arizona Graduate Research Fellows, 2012-present

M. S. in Natural Resources Management, August 2013

Graduate Certificate in Geographical Information Systems

Thesis: *"Impact of Fire Severity on Forest Recovery in Santa Catalina Mountains"*

Cornell University, Ithaca, NY

B. S. in Biology, Plant Sciences Minor, May 2010

RESEARCH AND ENVIRONMENTAL EXPERIENCE

University of Arizona, Fire and Restoration Ecology Lab, Tucson, AZ, August 2013-May 2016

Graduate Assistant, Advisor: Donald Falk, Ph.D.

- Researched effects of fire severity on recovery of forest communities.
- Sampled 65 0.1 Hectare plots for variables such as shrub cover by species, diameter breast height by species of trees, and identified seedlings and saplings.
- Trained and supervised field crew for work in remote conditions for 5 days at a time.
- Organized and analyzed data related to restoration project.
- Communicated with key media personal and press coverage reports on project.

Cornerstone Environmental Group, LLC, Intern, Tucson, AZ, September 2013-May 2014

- Worked on team developing environmental impact statement for a facility permit request.
- Analyzed reports, maps, environmental data and aerial photographs to support team project.
- Adhered to federal, state and local regulations for environmental compliance of site.

U.S. Peace Corps, Environment Volunteer Leader, Dominican Republic, November 2012-July 2013

- Coordinated network of 50 environmental youth groups for conferences and activities.
- Helped volunteers coordinate projects for improved cook stoves, latrines, and gardens.
- Aided volunteers in finding, writing, and reviewing grants and other funding opportunities.

RESEARCH AND ENVIRONMENTAL EXPERIENCE continued

U. S. Peace Corps, Community Environment Volunteer, Dominican Republic, March 2011-October 2012

- Researched and marketed community initiated sustainable business projects.
- Established water committee to educate and address water, sanitation and fishing needs in community (including latrines, fresh water access, and water testing in lagoons).
- Organized environmental youth group to educate others about the environment through talks, a radio show, organizing community cleanups, tree plantings and hikes.

U.S. Geological Survey, Biological Science Technician, Lander, WY, May 2009-January 2010

- Mapped vegetation changes from anthropogenic features for use in research on the effect of soil disturbances on non-native plant invasion using ArcMap and GPS.

Cornell University, Soil Ecology Lab, Research Assistant, Ithaca, NY, March 2008-May 2009

- Managed Red Clover rhizobia genetics project using advanced lab techniques: DNA extraction, PCR, gel electrophoresis, and particulate organic matter analysis of soils.

Everglades National Park, Biology/Botany Intern, Homestead, FL, June 2008-August 2008

- Investigated the relationship between fire and invasive tree species in hammocks.
- Mapped exotic and rare plants using ArcView GIS software.

Cornell University, Plant Genetics Lab, Research Assistant, Ithaca, NY, August 2007-May 2008

- Extracted DNA from *Arabidopsis thaliana* mutants for analysis.
- Collected hybridized seeds from mutant plants for seed bank and planting in greenhouse.

VOLUNTEER SERVICE

Firewise Communities, Communicator, Mount Lemmon, AZ, March 2013-present

- Served as an educational resource during community education and outreach events for wildfire preparedness to help residents reduce loss of life and property.

Sky Island Alliance, Volunteer, Tucson, AZ, October 2013-April 2015

- Collected data on plants, wildlife, riparian areas and landscape erosion using GPS, cameras and topographical maps to assist with public land management planning.

The Nature Conservancy, Volunteer, Fire Adapted Communities Coalition, Prescott, AZ, May 2014

- Promoted neighborhood collaboration to raise wildfire hazard awareness, protect property and assist with post-fire impacts during National Wildfire Community Preparedness Day.

Navajo Nation Tribe, Volunteer, Church Rock Chapter, Church Rock, NM, July-August 2013

- Conducted field research with team of scientists for uranium clean-up program.

SELECTED PUBLICATIONS (complete list available)

Tsosie, L.A. *Ten Years of Recovery of Forests in the Catalina Mountains After Bullock and Aspen Fires*. 2014. *Ecological Restoration*. 48: 52-68.

Tsosie, L.A., *Treatment of *Schinus terebinthifolius* in Everglades National Park, Effective Management Strategies*. 2011. *Applied Soil Ecology*, 50: 14-20.