

Kathryn Orange

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Experience

United States Department of Agriculture | Dixie National Forest | Cedar City, UT
Fisheries Technician | May 2017 – September 2017

Assisted professional biologists in completing all phases of fish and aquatic wildlife studies including field work, summarization and analysis of data, and completion of reports. Regular tasks included boreal toad surveys and eDNA testing, fish shocking, fish identification, measurements and population surveys, use of data analysis programs such as MicroFish 3.0, safe application of rotenone pesticide treatments, willow species identification and propagation, construction of beaver dam analogs, and multiple indicator monitoring (MIMs) studies. Participated in the Burn Area Response Team (BAER) operations performing soil and vegetation surveys and writing specialists reports.

Intergovernmental Internship Cooperative | Southern Utah University | Cedar City, UT
Hydrologic Technician | October 2016 – April 2017

Worked in partnership with the Dixie National Forest. Performed various tasks relative to the collection, compilation, and computation of basic hydrologic data. Sorted and compiled hydrological data collected from previous years into useful formats for ecological assessment and natural resource management. Used ArchGIS to create and edit water right and usage data within the Natural Resource Management database. Competent in use of Google Earth, the Ecological Site Description System, and the Web Soil Survey.

United States Department of Agriculture | Dixie National Forest | Cedar City, UT
Hydrologic Technician | May 2016 – October 2016

Performed various tasks relative to the collection, compilation, and computation of basic hydrologic data. Regular tasks include water quality data sampling, multiple indicator monitoring (MIMs), stream cross section data collection, stream substrate data collection, soil transect studies, ground cover data collection, water rights and inventory use data collection, and groundwater dependent ecosystem (GDE) monitoring. Commonly calibrated instruments, utilized GIS systems, wrote reports, created graphs, and managed documents. Demonstrated field navigational skills, aerial photograph interpretation, and safe driving attitude.

Intergovernmental Internship Cooperative | Southern Utah University | Cedar City, UT
Trail Crew Leader | August 2015 – November 2015

Worked in partnership with the Bureau of Land Management. Organized and lead a hand crew of seven members to complete Southview Mountain Bike Trail in Cedar City. Crew used hand tools such as pick mattocks, mcleods, and hard rakes to fine-tune roughly cut trail from International Mountain Bike Association (IMBA) machinery. The team established water drainages, stabilized back slope, smoothed tread, and constructed secure rock-armored sections. Instructed volunteers, lead groups, ensured workplace safety, and wrote weekly reports.

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Intergovernmental Internship Cooperative | Southern Utah University | Cedar City, UT
Trail Crew Member | May 2015 – August 2015

Worked in partnership with the Bureau of Land Management to create 1.5 miles of new mountain bike trail located at Thunderbird Gardens, Cedar City. Trained by IMBA to build sustainable trails by taking into account geology, watershed, and user need. Engineered and constructed trail from scratch using hand tools and chainsaws. Wore personal protective equipment, followed safety protocols, and practiced leave-no-trace guidelines daily.

Maryland Conservation Corps | New Germany State Park | Grantsville, MD
Conservation Corps Member | October 2013 – August 2014

Dedicated 1700 hours to conservation efforts with the Department of Natural Resources in Western Maryland's Appalachia. Participated in a number of environmental projects relating to watershed quality, wildlife habitat improvement, macroinvertebrate identification, entomology, ornithology, ichthyology, plant identification, invasive species removal, arboriculture, greenhouse techniques, prescribed burns, trail building, data collection, GIS systems, orienteering, search and rescue, carpentry, chain sawing, fence construction, public education, and park improvement.

National Civilian Community Corps | AmeriCorps | Denver, CO
Assistant Team Leader | October 2012 – August 2013

Dedicated 1800 hours to National and Community service. Worked on teams throughout the country to address critical environmental and disaster related needs for a number of organizations including the Missouri Department of Conservation, Volunteers for Outdoor Colorado, and CampFire USA. Assisted the team leader by planning tasks, organizing the team, and ensuring work was performed in accordance with guidelines. Projects included wildlife inventories such as trapping and tagging turtles, habitat improvement projects, invasive species management, and outdoor public education.

The Christ Hospital | Cincinnati, OH
Medical Laboratory Technician | October 2011 – September 2012

One year of hands-on laboratory experience including specimen collection and preservation, testing and analysis, report writing, and quality control data compilation. Calibrated and assembled scientific instruments. Developed data with tables and charts using computer programs. Testing experience includes hematology, chemistry, urinalysis, microbiology, and blood banking.

Dearborn County Hospital | Lawrenceburg, IN
Medical Laboratory Technician | March 2009 – October 2011

Over two years of hands-on laboratory experience including specimen collection and preservation, testing and analysis, report writing, and quality control data compilation. Calibrated and assembled scientific instruments. Developed data with tables and charts using computer programs. Testing experience includes hematology, chemistry, urinalysis, microbiology, and blood banking.

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Education

Southern Utah University

May 2017 | Bachelor of Science in Agriculture

- Emphasis in Rangeland Management and Natural Resources
- Completed courses in plant identification, animal science, rangeland management and soils
- SUU GPA 3.929 out of a maximum of 4.000

Cincinnati State Technical and Community College

July 2010 | Associate of Applied Science in Medical Laboratory Technology

- 3.554 out of a maximum of 4.000
- Completed courses in chemistry, pathology, microbiology, data compilation, and laboratory techniques

Skills and Activities

- Wildland Firefighter Type II | May 2014 – May 2019
- S212 Chainsaw Certified | Type A Faller
- CPR Certified | May 2016 – May 2018
- ATV certified
- UTV and manual motor vehicle experience
- Hand and power tool experience
- Works well in groups and individually
- Experience leading crews and volunteers
- Enjoys traveling, hiking, and camping
- Organized and punctual
- Volunteer at Red Acres Organic Farm | Cedar City, UT | April 2015 – April 2017
- Certified Yoga Instructor | November 2015 – Current
- Certified Medical Laboratory Technician | August 2010 – August 2019
- Trained to trail build by the International Mountain Bike Association (IMBA)