

Anna McDermott

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Objective

Determined, skillful, and passionate worker seeking role where I can apply my master's-level geospatial/GIS skills while contributing positively to society and the environment.

Education

MS IN GEOSPATIAL TECHNOLOGIES | SEPT 2017 - AUG 2018 | UNIVERSITY OF WASHINGTON-TACOMA

- Began study in September 2017
- Coursework: Intro to Geospatial Technologies; Web-based GIS; GIS Customization & Automation; Mobile Geospatial Application Development; Urban Planning Applications; Environmental Planning Applications; Practicum I: Planning & Design; Practicum II: Implementation

GIS CERTIFICATE | JUNE 2017 | MSU & UNIVERSITY OF WASHINGTON-TACOMA | 4.0 GPA

- Completed Michigan State University's Introduction to Geospatial Technology course
- Completed the GIS certificate program at UW-T, January - June 2017
- Online Portfolio: <http://apsmcdermott.wixsite.com/gis-portfolio>

JAVANESE GAMELAN STUDY | AUG 2015 - FEB 2016 | INSTITUTE OF ARTS - SURAKARTA

- Awarded a scholarship through the Indonesian government to study traditional music in Java

BACHELOR OF ARTS | MAY 2011 | SMITH COLLEGE | 3.6 GPA

- Major: Biological Sciences with a focus in biodiversity, ecology, and conservation
 - Vertebrate Biology, Conservation Biology, Biogeography, Population Genetics, Marine Ecology, Marine Vertebrates, Zoology Neurobiology
- Minor: Government with a focus in environmental policy
 - Politics of the Global Environment Colloquium, Politics and the Environment Seminar
- Dean's List
- Orchestra-Viola, Chorus-Soprano, Solo Viola and Voice, Gamelan (Indonesian music)
- Overseas study Junior/Senior year at the University of Otago in Dunedin, New Zealand
 - Biology courses (Conservation Biology, Marine Vertebrates, Zoology Neurobiology)
 - Kea field research

Skills & Abilities

GIS, ArcMap, ArcScene, and ArcGIS Online; Web Design (HTML5, CSS, JavaScript); Python; Digitizing; Biology, Government, and Language Arts Background; Organizational and Time Management Skills for Projects; Excellent Interpersonal and Teaching Skills; Research and Writing; Public Speaking; Microsoft Office Proficiency; Internet Proficiency; Proper Lab Work Procedures; Statistics (coursework); Living and Working in Harsh Climates; Voice, Viola, and Gamelan

Experience

WILDLIFE GUIDE | JACKSON HOLE WILDLIFE SAFARIS | MAY 2016 – SEPT 2017

- Guided people through Grand Teton and Yellowstone National Parks
- Interpreted nature, wildlife, geology, and history of the parks
- Observed animals' behavior in park and assisted in keeping people and wildlife safe whenever necessary
- Safely operated 15 seat vans and suburbans; keep vehicles neat and clean

TUTOR & PET SITTER | CLUB Z IN-HOME TUTORING & SELF EMPLOY | JAN 2013 – JUNE 2017

- Tutored kindergarten through 5th grade students in math and English, multiple sessions a week
- Pet sit for dogs, cats, birds, etc. Walks, feeding, administering medicine, affection, and play

FIELD RESEARCH INTERN | TRANSFRONTIER AFRICA | SEPT - NOV 2014

- Worked on an elephant mark and recapture program in which I received the data and photos and analyzed for locations, herd movement, population dynamics, vegetation, and herd-linked trends
- Helped with black and white rhinoceros conservation—tracking locations using telemetry and RFID tags with the use of a drone; tagged 15 white rhinos with new RFID transmitters
- Aided in apex predator fecal collection in the field as well as preparing lab samples for analysis
- Alien vegetation (prickly pear and queen of the night) removal and control using chemicals and biological agents
- Helped with the start of a study on rodents and tree seeds—which rodents prefer which seeds; implications to possibly remove blame from elephants for tree loss
- Experienced living in the open bush with limited water supply and field work in a hot climate

ZOOLOGICAL INTERN | POINT DEFIANCE ZOO & AQUARIUM | SEPT - DEC 2013

- Observed and practiced zoo husbandry with Sumatran tigers, a Malayan tiger, siamang, white-cheeked gibbons, Asian small-clawed otters, an Indian-crested porcupine, lowland anoa, and a Malayan tapir.
- Aided in the successful shifting of zoo animals in the rotational exhibits of the Asian Forest Sanctuary
- Prepared diets for all animals in the Asia exhibits, both vegetarian and meat
- Cleaned enclosures daily
- Provided enrichment materials for the animals
- Occasionally helped with clouded leopard cubs during their daily exercise
- Talked to the public about the animals on exhibit during outdoor feeds and tiger presentations

STORE STAFF | MUD BAY | APRIL - DEC 2013

- Consulted with customers about animal nutrition and finding the best food for their individual pets
- Cashier for customers at the register
- Restocked shelves with food and other supplies

STORE STAFF | MCCALL PET OUTFITTERS | JUNE - DEC 2012

- Helped customers find the products for which they were looking and suggested remedies or products to help solve problems
- Responsible for opening and closing the store, as well as running the store alone
- Rearranged displays throughout the store and restocked shelves

REHABILITATION INTERN | SNOWDON WILDLIFE SANCTUARY | OCT 2011 - DEC 2012

- Interned for Snowdon Wildlife Sanctuary in the mountains of Idaho where I had the responsibility of working in predominantly unsupervised conditions
- Cared for birds such as various hawk and owl species, a peregrine falcon, robins, and other songbirds as well as mammals, including a bobcat, fawns, foxes, squirrels, and many black bear cubs, as Snowdon is the official bear sanctuary for Idaho and welcomes bears from Washington and Oregon as well
- Worked in conjunction with staff from Idaho's Department of Fish and Game in the safe caring, relocation, and release of black bear cubs
- Duties consisted of daily enclosure walks to check fencing, food preparation, water and feeding, medication administration (subcutaneous fluids, pills, nebulization), the transport of animals to and from the site, errands in town, and maintaining the grounds, buildings, and enclosures
- Released success animals such as barn owls, a flicker woodpecker, hawks, several songbirds, a squirrel, and a fox
- Trained new interns and volunteers how to properly and safely feed the animals and clean the enclosures. Guided them in handling the wildlife and diagnosing within our abilities any injuries or illnesses
- Provided public educational lectures involving the use of live educational birds (great horned owl, red-tailed hawk, and peregrine falcon). Groups ranged from 5 people up to 200 people, both in classrooms and on sanctuary grounds
- Extras included helping with administrative tasks such as fund-raising and inventory, sitting in on board meetings, and contributing ideas to the smooth running of the sanctuary

WORK STUDY | SMITH COLLEGE | SEPT 2007 - MAY 2011

- Participated in a Science Teaching Fellowship at Smith College in conjunction with a local public elementary school.
 - Worked with a partner to design a lesson plan to teach a kindergarten class about the three states of matter. Presented a short lesson, read from a children's book, and conducted an experiment using cornstarch and water (is it a liquid or a solid?)
- Tutored through America Reads at PCDC Head Start Preschool

VOLUNTEER | 2004 - PRESENT

Point Defiance Zoo & Aquarium Event Assistant; Washington Wildlife & Recreation Coalition (WWRC); Kea Field Research; Gamelan Pacifica; Political Campaigns; Generous Hearts; Community Theatre; Camp Counselor; Seattle City Clean-Up; Festival of Trees; Organization of a Humane Society Benefit Concert

References

Matthew Kelley | GIS Professor at University of Washington Tacoma | 253-692-4679 | mjk3l13y@uw.edu

Greg Lund | GIS Instructor at University of Washington Tacoma | 253-692-4873 | gwlgis@uw.edu

Kyle Williams | Manager at Jackson Hole Wildlife Safaris | 307-690-9350 | kyle.jacksonholesafaris@gmail.com

Betsy Skevington | Coordinator at Club Z! In-Home Tutoring Tacoma | 253-565-2131 | skevington@harbornet.com