

Norman Greenhawk
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Professional Profile

I have seven years of experience conducting herpetological field work in tropical forest ecosystems, as well as related experience with data analysis and report writing. I have nearly 15 years of experience with captive husbandry and care of amphibians and reptiles. My work has allowed me to develop the following skills that I feel are relevant to any future herpetological research I conduct.

- Oversee field work with teams of volunteers
- Captive Care and Husbandry of Reptiles and Amphibians
- Moderate Spanish speaking skills
- Data analysis and reporting
- Team planning and coordination
- First Aid Certified
- CPR Certified

Education

Washington College, Chestertown Maryland, B.A. Environmental Studies, May 2003
Universidad de Puerto Rico, Rio Piedras, Incoming graduate student, fall of 2016

Professional Experience

US Fulbright Scholar: Project Palaka, University of the Philippines, Los Baños, Laguna, Philippines
7/26/2015-3/23/2016

- Primary Investigator of “Project Palaka”, the first-ever ex-situ amphibian conservation project in the Philippines.
- Maintained endemic species of *Platymantis*, *Hylarana*, and *Rhacophorus* in captivity.
- Produced a 40 page report that serves as a manual for the project, so that the University and other interested organizations could continue the project after the completion of my trip.
- Executed all stages of the project, including planning, materials gathering, construction, subcontractor coordination, finances, staff management, permitting, and animal care and husbandry.

Herpetologist, Tropic Ventures Research and Education Foundation Las Casas de La Selva, Patillas, Puerto Rico
11/10/2008-Current

- Greenhawk, N. 2013. Range extension of *Eleutherodactylus cooki*, the “Coqui Guajon”, Grant, 1932 (Amphibia: Eleutherodactylidae). Checklist 9(5): 1046-1049.
- Greenhawk, N. 2015. Testing sustainable forestry methods in Puerto Rico: Does the presence of the introduced timber tree Blue Mahoe, *Talipariti elatum*, affect the abundance of *Anolis gundlachi*? *Herpetology Notes* 8: 141-148.
- Greenhawk et al. Baseline amphibian survey and *Batrachochytrium dendrobatidis* testing in Icaico and Hormiga Valleys, Patillas, Puerto Rico. Submitted to *Phyllomedusa*; in review.

- Leading expedition teams of volunteers to collect data as a co-principal investigator with a partnership with the Earthwatch Institute.
- Designing investigations and collecting data to aide Tropic Ventures in developing and refining sustainable forestry practices.
- Developing a comprehensive species list of herpetofauna found on the property.

Volunteer Coordinator, Tropic Ventures Research and Education Foundation Las Casas de La Selva, Patillas, Puerto Rico
11/10/2008-7/25/2015

- Refined application process for TVREF.
- Developed volunteer handbook for TVREF.
- Made new professional relationships with various Universities in the USA, now host volunteer groups from these schools annually.
- Review applications of individual volunteers.
- Assist team leaders of incoming volunteer groups with logistics planning for travel, housing and feeding large numbers of people.
- Coordinate daily schedule for volunteers and volunteer groups.
- Assist new volunteers in acclimating to Puerto Rico.
- Plan and oversee recreation day for volunteer groups.

Shulman Award Project: Herpetological Conservation in Latin America, Multiple locations in Central and South America 4/3/2013- 7/6/2013

La MICA Biological Field Station, El Cope, Panama

- Gained field training in regards to proper research criteria and design from Dr. Julie Ray, a specialist in Panamanian snakes.

Panama Amphibian Rescue and Conservation Project, Gamboa, Panama

- Returned to PARC for one month to obtain further training for ex-situ conservation tactics and methodologies for endangered and critically-endangered Panamanian frogs of the genus *Atelopus*.

American Crocodile Education Sanctuary, San Pedro, Belize and Ladyville, Belize

- Obtained training in the proper methods of capturing, securing, and relocating “problem” crocodiles, including setting live-catch snares and traps, “jumping” a crocodile, jaw taping, and leg tying.
- Obtained training in captive care and maintenance of *Crocodylus acutus* and *Crocodylus morletti*.

Utila Island Iguana Station, Utila Island, Honduras

- Obtained training in the captive care and maintenance of the endemic Utila Island Iguana,

Bolivian Amphibian Initiative

- Worked with endemic Bolivian frogs in need of conservation.
- Investigated the use of animal parts sold for ritual purposes at the “Mercado de las Brujas” in La Paz.

Volunteer, Panamá Amphibian Rescue and Conservation Project Summit Park, Gamboa, Panamá 7/2/2012-8/24/2012

- Redesigned and constructed breeding tank for *Craugastor punctariolus*.
- Assisted and advised in the development of the educational presentations for Golden Frog Day 2012.
- Daily cleaning of plastic and glass tanks housing live specimens of genus *Atelopus*.
- Feeding frogs.
- Sterilization of natural materials needed for tank interiors.
- Collection of plant material for tank interiors.
- Maintaining quarantine and sterilization procedures

Awards

2015-16 Fulbright US Scholar Award

2013 Earthwatch Neville Shulman Award for Emerging Environmental Leaders

References

Thrity Vakil

Associated Establishment(s): Tropic Ventures Research and Education Foundation

Website: www.eyeontherainforest.org

Position: Director of Tropic Ventures Research and Education Foundation

Email: 3t@eyeontherainforest.org

Time known: Eight years

Capacity known: I report directly to Thrity Vakil in my role as volunteer coordinator and herpetologist at Tropic Ventures Research and Education Foundation.

Dr. Mark Nelson

Associated Establishment(s): Tropic Ventures Research and Education Foundation, Institute of Ecotechnics

Website: www.eyeontherainforest.org

Position: Chair, Institute of Ecotechnics

Email: nelson@biospheres.com

Time known: Eight years

Capacity known: Dr. Nelson is the head Principal Investigator for our research collaboration with the Earthwatch Institute, and as such reviews all of my research before submission.

Dr. Esmerelda Cunanan

Associated Establishment(s): Philippine American Education Foundation (Fulbright)

Project Website: <http://fulbright.org.ph/>

Position: Director

Email: ecunanan@fulbright.org.ph

Time known: One year

Capacity known: Dr. Cunanan and I corresponded- via email and in person- during my stay in the Philippines. I gave regular but informal reports of my project's progress during my stay, as well as a formal presentation to Dr. Cunanan at the end of my stay.

Additional references available upon request.