***Edward Realzola***

Fall 2014

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713.851.5274

**EDUCATION**

Associate of Liberal Arts, Houston Community College, Stafford, Texas

Graduated, May 2004

Bachelor of Science, Sam Houston State University, Huntsville, Texas

Graduated, December 2009

Major – Biology Minor – Spanish

**EXPERIENCE**

January 2007 to **Big Thicket All Taxa Biodiversity Inventory,**

Present **Big Thicket National Preserve, Texas**

Whirligig Research Group Leader

 Duties include collecting, pinning, identifying and documenting whirligig beetles (Coleoptera: Gyrinidae) from the Texas Big Thicket, attending events in the Big Thicket (Bio-Blitz, Ento-Blitz, Big Thicket Summer Institute, Science Cafe), giving presentations, giving field trips through the Big Thicket and educating the public about aquatic insects. Submitted 1,200 voucher specimens.

August 2011 to **Gulf Coast Veterinary Specialists, Pharmacy**

Present  **Houston, Texas**

Pharmacy Technician

I support pharmacological services by stocking, assembling, and distributing medications.

September 2010 to **Trutech Inc. Wildlife Removal Specialists, Houston, Texas**

September 2011 Wildlife Biologist

Trapped and removed animals, decontaminated nesting sites, managed pest populations and excluded buildings. Animals worked with include: birds, bats, bees, wasps, snakes, rodents, moles, raccoons, opossums, skunks, armadillos, beavers and nutria. Experience using several baits, lures, and traps (cage traps, koro, wickencamp, conibear, foothold traps, snap traps, mole traps, bat valves, etc)

June 2010 to **Rocky Mountain Biological Laboratory, Gothic, Colorado**

August 2010 Student and Primary Investigator

Duties included taking the course Methods in Field Ecology and conducting a research project: *Dispersal, Phenology and Habit Preference of Subalpine Whirligig Beetles*. Skills used: GIS, pond delineation, mark-recapture, aquatic insect sampling, maintaining a field journal and analyzing data with custom excel spreadsheets.

June 7 2009 to **Ecological Society of America: Strategies for Ecology**

June 13 2009 **Education, Development and Sustainability,**

**Rocky Mountain Biological Laboratory, Colorado**

Duties included attending lectures and participating in ecological research projects (malaria in sparrows, marmot behavior), developing a research project related to effects of human interference on insect diversity, presenting research results and attending a science conference.

October 2004 to **Sam Houston State University Biology Department,**

December 2008 **Huntsville, Texas**

Entomology Research Assistant

Duties included collecting aquatic insects in the field, identifying them to species in the laboratory, researching published scientific literature, working with other scientists, writing research papers and presenting my work at conferences as part of a National Science Foundation project. Published manuscript: *Composition of gyrinid aggregations from the east Texas Primitive Big Thicket (Coleoptera: Gyrinidae).*

May 2008 to **Sam Houston State University Biology Department,**

August 2008 **Research Experience for Undergraduates,**

**Huntsville, Texas**

Student and Primary Investigator

Internship duties included attending weekly seminars and discussions, developing a research project: *Key to the North American genus Dineutus (Coleoptera: Gyrinidae) with gyrinid distributional records from the Texas Big Thicket*, and presenting my research as part of a National Science Foundation project.

May 25 2008 to **Ecological Society of America: Strategies for Ecology**

May 31 2008 **Education, Development and Sustainability,**

**Fairbanks, Alaska**

Duties included visiting ecologically relevant sites (large animal research station, permafrost tunnel, Tanana River), conducting

 ecological research in the Bonanza Creek long term ecological

 research site related to the boreal forest and the effects

 of fire on this ecosystem, presenting research results, and

 attending a science conference.

Summer 2008 **Eastfield College, Big Thicket Summer Institute,**

**Big Thicket National Preserve, Texas**

Project Mentor

Duties included teaching a student about the aquatic beetle family Gyrinidae. Topics covered: habitat, behavior, morphology, taxonomy, collecting, processing and identification. We then developed a project idea, [*The Morphological Structure of the Gyrinidae Beetles Compound Eyes*](http://www.efc.dcccd.edu/rcd/NSF/images/2008_BigThicket/poster_JessicaAgwumaro.pdf), which the student completed using an SEM and presented as part of a National Science Foundation Program.

**COURSES TAKEN**

Plant Taxonomy

Animal Behavior

Invertebrate Zoology

Introduction to Evolution

Methods in Field Ecology

**PUBLICATIONS**

Realzola, E., Cook, J.L., Cook, T.J. & Clopton, R. E. (2007) Composition of gyrinid aggregations from the east Texas Primitive Big Thicket (Coleoptera: Gyrinidae). *Coleopterists Bulletin*, 61(4): 495–502.

Submitted Manuscript

“Compact aggregating behavior in *Gyrinus* (Coleoptera: Gyrinidae).” The Coleopterists Bulletin.

**PRESENTATIONS**

*Why Study Beetles?!*

2013, Houston Museum of Natural Science, Houston, TX

2012, Big Thicket Science Café, Logon Café, Beaumont, TX

*Composition of gyrinid aggregations in the east Texas Primitive Big Thicket*

*(Coleoptera: Gyrinidae)*

2008 Eastfield College Summer Institute, Big Thicket Research Station, Saratoga, TX

2008 Texas Academy of Science Conference, Corpus Christi, TX

2007 Big Thicket Science Conference, Beaumont, TX