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EDUCATION

Traditional:

BA – Florida Gulf Coast University, Ft. Myers (anticipated graduation = 2010)
Major = Biology; Minor = Chemistry; Philosophy; & Interdisciplinary Studies
High School – Cape Coral High School (2006)
Salutatorian (out of ~ 400 students)

Associated Courses:

- Independent Studies: Selfish Genetic Elements (2009)
- Biochemistry (2009)
- Vertebrate Form and Function (2009)
- Genetics (2009)
- Microbiology w/Lab (2008)
- Human Physiology (2008)
- Organic Chemistry w/Lab II (2008)
- College Physics w/Lab II (2008)
- General Ecology (2008)
- Organic Chemistry w/Lab I (2007)
- College Physics w/Lab I (2007)
- General Chemistry w/Lab II (2007)
- General Biology w/Lab II (2007)
- General Chemistry w/Lab I (2006)
- General Biology w/Lab I (2006)

Scientific Skills

- Gel Chromatography
- Thin Layer Chromatography
- NMR Reading
- Spectrophotometer Reading
- Centrifuge Handling

PROFESSIONAL SOCIETIES

Active:

- Association of American Medical Colleges
- Phi Beta Kappa Society (Freshman Honor Society)
- Golden Key Honor Society (Collegiate Honor Society)

SERVICE

Academic service:

- Florida Gulf Coast University
 - Florida Gulf Coast University Honors Program (2006-Present)

Community outreach:

- Florida Gulf Coast University
 - Circle K International (2006-Present)
 - The Collegiate Form of the Kiwanis Club of America.
 - Vice President (2009)
 - Pre-Med/Pre-Professional Club (2006-Present)
 - Volunteer at Gulf Coast Hospital
 - Pediatrics
 - Woman's Care

AWARDS

Academic

- Florida Gulf Coast University
 - President's List (2006 and 2009)
 - Dean's List (2007 and 2008)
 - Excellence in Service (over 100 community service hours for academic school year; 2008)
- Cape Coral High School
 - Salutatorian (2006)
 - Florida Bright Future's Scholarship (2006 – Present)

PRESENTATIONS & PUBLICATIONS

MANUSCRIPTS IN PREPARATION:

Removed & Gunnels C.W. (current status: in preparation) Selfish Genetic Elements: A Field Guide.

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EDUCATION

B.S Florida Gulf Coast University (FGCU), Fort Myers, FL

Major: Environmental Studies (May 2009)

Minor: Biology

Mentor: Dr. Charles Gunnels

Relevant course work: Vertebrates of Southwest Florida Trapping Methods Animal Behavior, Behavioral Ecology, Wildlife Conservation, Biology of Southwest Florida, Conservation Strategies for a Sustainable Future, Biology with Lab II, African Environments, Environmental Chemistry, Ecosystem Monitoring and Research, Ecology, South Pacific Environments, Marine Systems, Scientific Process, Plant Biotechnology, Mosquito Control

High School: Miami Palmetto Senior High, Fl (2005)

Red Cross: First Aid/ CPR/ AED certified

SCIENTIFIC WORK

US Geological Survey: As a Biological Science Technician

I worked through the field office in Las Vegas, Nevada on a chipmunk ecology project. A crew of 5 and I ran 24 5X8 grids of large Sherman traps spaced 25 meters apart and 31 transect lines 50 traps long spaced 25 meters apart. The grids and transects were placed in a variety of locations throughout the Spring Mountains in Nevada. The target species was the Palmer's Chipmunk (*Tamias palmeri*). This species is only found in the Spring Mountains and research is being done to make sure this species remains common. We placed the grids and transects in varied elevations, proximity to a water source, and vegetation type to get a better understanding of the chipmunk's ideal habitat. Once trapped the chipmunks were weighed, sexed, aged, and given an ear tag. We also did vegetation surveys of the areas being trapped. With this knowledge we will be better able to keep their populations up as tourism in this area increases. (June 2009-Aug.2009 - 40hrs/week)

SCIENTIFIC VOLUNTEER WORK

Corkscrew Regional Ecosystem Watershed (CREW):

I assisted in the execution of prescribed burns, off-road vehicle maintenance, vegetation identification, wildlife surveys, and independent research. For the vegetation identification I took transect lines in a variety of habitats and recorded the species, GPS location, and took measurements of the plant. For the wildlife surveys; I surveyed tree frog populations and small mammal populations. For tree frog surveys 6 plots in varied habitats, each containing 6 PVC pipes were checked for the presence of frogs. Frog species and tag number (clipped toes for tagging

system) were recorded; as well as humidity level and temperature of the area. For small mammal surveys plots of 8 transect lines containing 15 Large Sherman traps on each were set out in various habitats. Small mammal species was recorded as well as ear tag number, sex, and age (Sep. 2008- May 2009 – 30hrs/week).

Babcock Ranch Bird Survey:

I collected baseline data about the area avifauna prior to construction of a “Sustainable village“. The area used to be privately owned and used as ranch land. The state bought the property and has dedicated a large portion of it to a “Sustainable Village“. Before construction begins wildlife data must be collected to monitor what species were present before construction so it can be compared to post construction data. I assisted on the collection of the baseline data for birds. I set up multiple mist nets and banded and recorded what I caught. (June 2008- December 2008 – 15hrs/week)

Florida Sea Grant:

In Charlotte Harbor there is a mangrove ecosystem that was severely damaged by Hurricane Charley. I volunteered to help with the regeneration disturbance study of those mangroves. I collected mangrove propagules from healthy mangrove strands in other areas and planted them in the areas affected by the hurricane. (January 2007 – 15hrs/week)

INDEPENDENT RESEARCH

Conducted small mammal dispersal study, tree frog population monitoring, and Gopher Tortoise survey at Corkscrew Regional Ecosystem Water management (Sep. 2008-May 2009 – 30 hrs/week)

Examined sex specific respiration rates of mating zebra long winged butterfly (October 2008 – 8 hrs/week)

Comparative analysis of white-handed gibbon’s behavior in a Zoo environment to natural described in the literature (March 2007 – 7hrs/week)

Evaluated “dumpster-diving” behavior of raccoons on the campus of Florida Gulf Coast University (November 2006 – 4hrs/week)

Western Sandpiper Foraging Successes study, looking at trial and error success rates of sea shore foraging (February 2005 – 5hrs/week)

Webpage construction: Country profile of Madagascar with specific information on environmental problems and solutions (December 2006 – 3hrs/week)

RESEARCH SKILLS

- Prescribed burn methods

- Tree frog identification
- Frog monitoring techniques
- Compass navigation
- Bird Identification
- Small mammal identification
- Small mammal trapping techniques
- Small mammal tagging techniques
- Field equipment care, maintenance and construction
- GPS
- Off road vehicle operation
- Scientific design
- Data collection, entry, and analysis
- Microsoft Office

PRESENTATIONS

- Removed** (October 2008) Butterfly Respiration during copulation. Annual Florida Gulf Coast University Animal Behavior Symposium
- Removed** (May 2009) How rodents are distributed between altered and unaltered environments. Annual Florida Gulf Coast University Animal Behavior Symposium
- Removed** (March 2007) Comparative study on Zoo and Wild behavior of White Handed Gibbon. Florida Gulf Coast University Wildlife Conservation
- Removed** (May 2009) How rodents are distributed between altered and unaltered environments. Annual Florida Gulf Coast University Senior Research Day

REFERENCES

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