

Curriculum Vitae
AUSTIN L COLEMAN
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EDUCATION

Georgia Regents University at Augusta (former Augusta State University)

Augusta, GA

Bachelors of Science in Biology (Degree: Ecology)

- GPA: 3.31 institutional
- Graduation: December 2013
- Related coursework:
Zoology, Botany, Wildlife and Fisheries Conservation Issues, Ecology, Biology of Pollution, Community Field Ecology, Ornithology, General Chemistry I and II, Physics I and II, Organic Chemistry, Ichthyology, Genetics, Statistics, Evolutionary Biology, Herpetology, GIS, Study Abroad Ecuador/Galapagos

RESEARCH EXPERIENCE

Savannah River Ecology Lab

Jackson, SC

Field/Laboratory Research Technician

March 2014-Present

- Performed tissue/fecal based DNA extractions
- Monitor Drift fences along wetland study sites
- Performed Real time PCR amplification
- Field/Lab research studying effects of Cu/Zn on disease susceptibility in Leopard Frogs in contaminated constructed wetlands
- Trapping Greater Siren in Carolina Bay wetlands using a variety of trapping methods
- Trapping Ambystomatid salamanders migrating into wetlands across Savannah River Site to test for disease

Georgia Regents University Department of Biological Sciences

Augusta, GA

Undergraduate Research- Dr. B. Saul

July 2012-present

- Assisted professor in gathering spatial and temporal fish diversity data on St. Catherine's Island, GA
- Utilized gill nets, trammel nets, bag seines, monofilament seines, minnow traps and otter trawl for collection
- Successfully instructed incoming students on sampling methods and data collection
- Findings to be presented at American Fisheries Society meeting in Savannah Spring 2015

Undergraduate Research- Dr. B. Saul

September 2013-December 2014

- Extracted kidneys and spleens from white-tailed deer from two sites in Jackson, SC to evaluate fat content(Kidney Fat Index) and overall deer herd health
- Findings presented at Spring 2014 Phi Kappa Phi Student Research and Fine Arts Conference

Undergraduate Research- Dr. B. Saul

May 2011- November 2014

- Conducted an interdisciplinary wildlife distribution study on Cowden Plantation in Jackson, SC
- Monitored 36 Cuddeback Attack IR trail cameras over 10,000 acres
- Analyzed niche overlap between the white-tailed deer and feral hog
- Study densities and abundances of various wildlife
- Compare data to Dr. John Kilgo at SRS
- Analyzed effectiveness of scent tabs as wildlife attractants

- Assisted in predator distribution study
- Presentation award earned at the Spring 2013 Phi Kappa Phi Student Research and Fine Arts Conference

Undergraduate Research- Dr. J.Reichmuth/Dr.A.Abdulovic-Cui

August 2012-December 2013

- Utilized bag seines, monofilament seines, and crab pots to collect limb samples from blue crabs and speckled crabs
- Performed PCR amplification and DNA extraction
- Performed genetic analysis to examine diversity within each species on two islands
- Sequenced the never before been sequenced speckled crab
- Presented locally at the Spring 2013 Phi Kappa Phi Student Research and Fine Arts Conference
- Presented at the state level at Georgia Academy of Sciences Conference
- Presentation award won at the regional Southeastern Estuarine and Research Society Conference
- Presented in San Diego, California at the international Coastal and Estuarine Research Federation Conference (November 2-7,2013)

WORK EXPERIENCE

Savannah River Ecology Lab

Jackson, SC

Field/Laboratory Research Technician

March 2014-Present

- Performed tissue based DNA extractions
- Monitor Drift fences along wetland study sites
- Performed Real time PCR amplification
- Field/Lab research studying effects of Cu/Zn on disease susceptibility in Leopard Frogs in contaminated constructed wetlands
- Trapping Greater Siren in Carolina Bay wetlands using a variety of traps

U.S. Army Corps of Engineers/Student Conservation Association (SCA)

Clarks Hill, SC

Summer Intern Park Ranger

March 2013-September 2013

- Interpretive programs on water safety and ecology
- Enforced rules and regulations within corps lands
- Emergency response aid
- Initiated protocols for a recycling program for the corps of engineers
- Assisted in gill net surveys
- Assisted in forestry practices and learned processes

Hamilton Branch State Park

Modoc, SC

Park Ranger

August 2011-March 2013

- Present informational programs and speeches to visiting boy scout troops
- Maintain and repair water leaks as well as general park maintenance
- Make reservation for campers to state park campground
- Patrol and enforce guidelines, rules and regulations
- Assist in cutting trees throughout campground
- Operate heavy equipment(tractors and backhoe loaders)
- Collaborate with DNR on management of wildlife and fish habitat
- Provide customer service by dealing effectively with camper's complaints and requests

VOLUNTEER EXPERIENCE

River's Alive Augusta, GA

Volunteer October 2013

- Stream cleanup at Lake Olmstead

Greenbrier High School Evans, GA

Guest Speaker Spring 2013

- Invited to speak with students about research at Georgia Regents University and my current research

Savannah River Ecology Lab Jackson, SC

Volunteer December 2013-March 2014

- Tissue based DNA extractions
- Real time PCR
- Disease susceptibility when exposed to contaminants
- Monitored Drift fences along wetland study sites
- Siren trapping utilizing multiple trapping methods

Georgia Regents University Augusta, GA

Guest Presentation Spring 2015

- Invited to speak to students about my current research at Savannah River Ecology Laboratory
- Spoke with students about the research opportunities available at SREL

TECHNICAL SKILLS and CERTIFICATIONS

- QPCR/PCR and Gel Electrophoresis
- Surbur samplers
- Developing Microsatellites
- Drift fence set-up
- GPS/GIS experience
- Proficient with firearms/4WD/ATV/Boats
- Proficient in Microsoft Word/Excel/PowerPoint
- Hog/Predator trapping
- Backpack/boat electrofishing
- Trawling, seining and gill netting
- Wireless trail cameras
- First aid and CPR

PROFESSIONAL ACTIVITIES

- Presented *Development of polymorphic microsatellite markers for longnose gar (Lepisosteus osseus)* at The American Fisheries Society (Southern Division) Spring 2015(Poster)
- Presented *Interdisciplinary Relationships between Odocoileus virginianus and Sus scrofa* research at The Wildlife Society Conference, Pittsburg, PA. Fall 2014(Poster)
- Presented *Chronic Copper Effects on Chytridomycosis Susceptibility in Leopard Frogs in a Contaminated, Constructed Wetland* at the Savannah River Ecology Laboratory Undergraduate Research Symposium Summer 2014(Platform)

- Presented *Comparing Overall Heard Health of White-tailed Deer Populations Based on Habitat Quality, Supplemental Feeding, and Sex Ratios in the Central Savannah River Area*, Spring 2014 Phi Kappa Phi Student Research and Fine Arts Conference (Georgia Regents University, GA)(Poster)
- Presented *Successfully sequencing swimming crab mitochondrial DNA: Diversity of blue crabs and speckled crabs of the southeastern Atlantic coast*. Brown Bag Presentations at Georgia Regents University. Fall 2013(Platform)
- Presented *Successfully sequencing swimming crab mitochondrial DNA: Diversity of blue crabs and speckled crabs of the southeastern Atlantic coast*. Coastal Estuarine Research Federation, San Diego,CA. Fall 2013(Poster)
- Presented *Population Densities of Various Wildlife Species on Cowden Plantation, Jackson SC*. research at Phi Kappa Phi Student Research and Fine Arts Conference, Georgia Regents University, GA. Spring 2013(Poster)
- Presented *Interdisciplinary Relationships between *Odocoileus virginianus* and *Sus scrofa** research at Phi Kappa Phi Student Research and Fine Arts Conference, Georgia Regents University, GA. Spring 2013(Platform)
- Presented *Population Genetics of Three Crab Species along the Southeastern Atlantic coast* research at Phi Kappa Phi Student Research and Fine Arts Conference, Georgia Regents University, GA. Spring 2013(Poster)
- Presented *Population Genetics of Three Crab Species along the Southeastern Atlantic coast* research at Georgia Academy of Science, Valdosta State University, GA. Spring 2013(Platform)
- Presented *Population Genetics of Three Crab Species along the Southeastern Atlantic coast* research at Southeastern Estuarine Research Society Conference, Charleston, SC. Spring 2013(Platform)
- Presented *Population Densities of Various Wildlife Species on Cowden Plantation, Jackson, SC* research at Georgia Academy of Sciences Conference, Georgia Regents University, GA. Spring 2013(Poster)

HONORS and AWARDS

Georgia Regents University *Emil K. Urban Student Research Award 2014*

Dean's List *Spring & Fall 2013*

National Beta Beta Beta Invitation (Kappa Kappa Chapter) *Academic Achievement*

Southeastern Estuarine Research Society *Presentation Award*

Georgia Academy of Sciences *Best Poster Presentation Award*

Phi Kappa Phi *Undergraduate Best Poster Presentation Research Award*

U.S. Army Corps of Engineers/Student Conservation Association *AmeriCorps Education Award*

Georgia Regents University Biology Club *Member*

Lakeside High School *Honor Graduate 2009*

Publix *Superior Evaluation*

REFERENCES

Dr. Stacey Lance

Assistant Research Scientist

University of Georgia

Savannah River Ecology Laboratory

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Dr. Bruce Saul, Ph.D.

Professor of Biology
Georgia Regents University
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