Andrew Challen Shamaskin

Graduate Research Assistant

Wildlife, Fisheries and Aquaculture Department

Mississippi State University

Mississippi State, MS 39762 USA

(804)-484-4945

andrew.shamaskin@gmail.com

**EDUCATION**

**M.S. Fisheries Science**  Currently Attending

Mississippi State University Starkville, MS

Cumulative GPA: 3.50

**B.Sc. Fisheries Science, Marine Fisheries Option, Statistics Minor** May, 2013

Virginia Polytechnic Institute and State University Blacksburg, VA

Cumulative GPA: 3.70

**Non-matriculating Undergraduate in** **Marine Fisheries** Fall Quarter, 2011

University of Washington Seattle, WA

Cumulative GPA: 3.47

**WORK EXPERIENCE**

**Graduate Research Assistant, Mississippi State University** May, 2015-Present

Department of Wildlife, Fisheries, and Aquaculture

Supervisors: Dr. Michael Colvin and Dr. Leandro Miranda

* Software developer for Fisheries Resources Analysis System (FRAS)

**Fisheries Observer, North Pacific Groundfish Observer Program** December, 2013-November, 2014

Saltwater Incorporated Anchorage, AK

Supervisor: Stacey Hansen

* Collect fisheries data while deployed on commercial fishing vessels
* Construct sample designs specific to each vessel assignment
* Record meticulous daily notes to aid in data verification
* Send data to the National Marine Fisheries Service for scientific, management, and regulatory compliance purposes

**Research Technician, Fisheries Ecology Lab**  August, 2012-November, 2013

Department of Fish and Wildlife Conservation, Virginia Tech Blacksburg, VA

Supervisor: Dr. Emmanuel Frimpong

* Assisted PhD research on interspecific relationships between *P. oreas* and *N. leptocephalus*
* Larval fish morphometric analysis
* Macroinvertebrate identification
* Conducted stream sampling using backpack/barge electrofishing

**Ernest F. Hollings Scholarship Summer Intern** May, 2012-August, 2012

Northeast Fisheries Science Center, National Marine Fisheries Service Woods Hole, MA

Supervisor: Dr. Anne Richards

* Conducted image analysis on *M. saxatilis* scale morphometrics
* Compared scale morphology among different stocks of *M. saxatilis*
* Primary author on project report

**Summer Intern**  June, 2011-August, 2011

Sierra Club, Hampton Roads Office Virginia Beach, VA

Supervisor: Eileen Levandoski

* Handled web design and planning for 2011 Virginia Offshore Wind Conference
* Head of Planning for Virginia Offshore Wind Roadshow

**Oyster Restoration Volunteer** June, 2010-December, 2010

Chesapeake Bay Foundation Gloucester Point, VA

Supervisor: Tommy Leggett

* Washed shells to be used in oyster propagation
* Constructed artificial reefs

**Gallery Interpreter** June, 2010-August, 2010

Maymont Park Richmond, VA

Supervisor: Kate Quarles

* Handled reptiles on display
* Answered guests’ questions about aquarium exhibits

**Undergraduate Research Assistant**  January, 2010 – May, 2010

Department of Biology, Virginia Tech Blacksburg, VA

Supervisor: Dr. Brandi Echols

* Maintained laboratory equipment
* Conducted various toxicity tests (acute & chronic)
* Oversaw production of Daphnia Magna cultures
* Performed benthic macro invertebrate sampling

**Stream Restoration Project Volunteer** September, 2009-October, 2009

Virginia Tech Biological Systems Engineering Blacksburg, VA

Supervisor: Dr. Tess Thompson

* Planted riparian buffers
* Reduced sediment runoff

**TEACHING**

2016 FW4133: Fisheries Science –Mississippi State University (*Guest Lecturer on NMFS observer program*)

2015 FW4313: Fisheries Management –Mississippi State University (*Guest Lecturer on ecosystem-based fisheries management*)

**LABORATORY SKILLS**

Water Chemistry Tests (incl. pH, DO, Alkalinity, Hardness)

Toxicity Tests (acute and chronic)

Stomach Content Analysis

Polymerase Chain Reaction

Microsoft Excel, Minitab, R and SAS statistics software

ImagePro and ImageJ analysis software

**FIELD SKILLS**

Certified Open Water SCUBA Diver (PADI)

Benthic Macro Invertebrate sampling using EPA RBP

Mid-Water Trawls

Gillnetting

Backpack/Boat Electrofishing and Seine Netting

Boating operation and navigation

CPR certified

**PUBLICATIONS**

Anticipated Publication as secondary author:

Richards, R.A., Haas-Castro, R., SHAMASKIN, A.C., Conover, D.O., and Thompson, A. Nature vs. Nurture: The Relative Influence of Genetics vs. Environmental Factors on the Scale Morphology of Striped Bass (*Morone saxatilis)*.

Shamaskin, A.C. 2016. The end parenthesis: how a fisheries student tackled programming

**PRESENTATIONS**

Shamaskin, A.C., M.E. Colvin, and L.E. Miranda. Sensitivity of a Multisystem Length Limit Model. 146th Annual Meeting of the American Fisheries Society, Kansas City, MO. August 21st-25th.

Miranda, L.E., A.C. Shamaskin, and M.E. Colvin. Long-term population changes in relation to harvest regulations at Ross Barnett Reservoir, Mississippi. 146th Annual Meeting of the American Fisheries Society, Kansas City, MO. August 21st-25th.

Shamaskin, A.C., M.E. Colvin, L.E. Miranda, L. Bull, and T. Holman. 2016. Long-term population changes in relation to harvest regulations at Ross Barnett Reservoir, Mississippi. 42nd annual meeting of the Mississippi Chapter of the American Fisheries Society, Tara Lodge, MS. March 9-11th

Shamaskin, A.C., R.A. Richards, and R. Haas-Castro. 2012. Nature vs. Nurture: the Relative Influence of Genetics and the Environment on the Scale Morphology of Striped Bass (Morone saxatilis). Bradford E. Brown Student Symposium, Summer 2012. July 26th.

Shamaskin, A.C., R.A. Richards, and R. Haas-Castro. 2012. Nature vs. Nurture: the Relative Influence of Genetics and the Environment on the Scale Morphology of Striped Bass (Morone saxatilis). 2012 NOAA Student Science and Education Symposium. July 31st-August 2nd.

**HONORS**

**NOAA Ernest F. Hollings Scholarship**, **Class of 2011**

**ORGANIZATIONS**

**American Fisheries Society, National Member** (2013-Present)

**American Fisheries Society, Virginia Tech** (2010-2013)

**Alpha Epsilon Pi Fraternity, Sigma Alpha Chapter** (2009-2013)

**Virginia Tech Debate Team** (2009-2012)

**REFERENCES**

**Dr. Michael E. Colvin**, *Assistant Professor and Advisor*

Department of Wildlife, Fisheries, and Aquaculture

Mississippi State University, Mississippi State, MS

Email: [michael.colvin@msstate.edu](mailto:michael.colvin@msstate.edu)

Work Phone: 662-325-3592

**Dr. Leandro E. Miranda**, *Professor and Advisor*

Department of Wildlife, Fisheries, and Aquaculture

Mississippi State University, Mississippi State, MS

Email: smiranda@usgs.gov

Work Phone: 662-325-3217