

Alexander Louis Miller

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EDUCATION

- **M.S., Agricultural and Applied Economics**, 2009, Virginia Tech, Blacksburg, VA

Thesis: *An Economic Evaluation of the Nutrient Assimilation Potential for Commercial Oyster Aquaculture in the Chesapeake Bay*

- **B.S., Fisheries Science; Minor Biology**, 2006, Virginia Tech, Blacksburg, VA
- **B.S., Environmental Policy and Planning**, 2006, Virginia Tech, Blacksburg, VA

SELECTED EXPERIENCE

Gulf States Marine Fisheries Commission Ocean Springs, MS (July 2008 – Present)

Staff Economist

- Provide leadership, management, and expertise related to the implementation of various Economic Development initiatives for the U.S. Gulf of Mexico commercial seafood and recreational industry. Initiatives include marketing, electronic traceability, and sustainability
- Provide leadership, management, and expertise related to the coordination of the Economics Program for the U.S. Gulf of Mexico. The program consists of data collection, analysis and research, and outreach and dissemination for the commercial seafood and recreational industry
- These activities are part of a cooperative partnership among Texas, Louisiana, Mississippi, Alabama, Florida, the Gulf States Marine Fisheries Commission, and NOAA Fisheries

Virginia Polytechnic and Institute and State University (Virginia Tech) Blacksburg, VA (August 2006 – July 2008)

Graduate Research Assistant, Department of Agriculture and Applied Economics

- Examined the economic feasibility of using nutrient assimilation credits from oyster aquaculture as a water quality management option for the Chesapeake Bay
- Investigated the contribution of non-market valuation to environmental policy through the FERC hydropower licensing process

Smithsonian Institution, National Museum of Natural History Washington, DC (2003 – 2009, as needed)

Research Assistant, Marine Systems Laboratory

- Assisted with the development of a global marine bio-geographical mathematical model
- Individually examined the community structure of epiphytic algal bryozoa of Newfoundland /Labrador and compared it to the Cape Cod region
- Assisted with the construction, sailing, and scientific diving operations of the 64-foot three masted marconi schooner ALCA I

**SELECTED EXPERIENCE
CONTINUED**

**The Louis Berger Group, Inc.
Needham, MA (December 2005 – November 2007, as needed)**

Consultant / Environmental Planner, Office of Energy Services

- Co-author of an applicant-prepared Environmental Assessment (EA) for a non-project use of project lands and waters of the Catawba-Wateree Hydroelectric Project under NEPA guidelines
- Assisted with the Smith Mountain and Claytor Lake recreational use and creel survey study
- Assisted with the composition of the water resources Environmental Assessment (EA) for the Norway & Oakdale hydroelectric project under NEPA guidelines

**Federal Energy Regulatory Commission (FERC)
Washington, DC (Summer 2005)**

Fisheries Biologist, Office of Energy Projects

- Assisted with the NEPA document for a hydroelectric project license exemption in northern California
- Participated within NEPA scoping and site visit procedures for two California hydroelectric licensing projects
- Assisted the hydroelectric re-licensing West Branch 2 Branch Chief with duties pertaining to the alternative, traditional, and integrated licensing process

**PROFESSIONAL SERVICE
AND LEADERSHIP**

- Member, Gulf of Mexico Fishery Management Council's Socio-Economic Scientific and Statistical Committee (SE-SSC), Tampa, FL, 2009 – Present
- Cooperator, Center for Natural Resource Economics and Policy, Department of Agricultural Economics, Louisiana State University, Baton Rouge, LA, 2013 – Present
- Thesis Committee Member, Jill Christoferson, Louisiana State University Agricultural Center, Department of Agricultural Economics, Baton Rouge, LA, 2013—Present
- Member, Ecosystem Services Valuation Proposal Review Committee. Gulf of Mexico Regional Research Competition 2012—2013. Texas, Louisiana, Mississippi, Alabama, and Florida Sea Grant. July 2011.
- Member, Rotary Club of Ocean Springs, MS, 2010 – Present
- Senator, Virginia Tech Student Government Association, 2005 – 2006
- Member, The National Leadership Honor Society- Omicron Delta Kappa, 2005 – Present
- Associate Student Director, Tidewater Virginia Soil and Water Conservation District, 2000 – 2001
- Master Oyster Gardener, Tidewater Oyster Gardeners Association, Gloucester, VA, 2000 – Present

HONORS AND AWARDS

- International Bronze Telly Award—Film/Video—Nature/Wildlife, 34th Annual Telly Awards, 2013.
- International Bronze Telly Award—Film/Video—Training (for Corporate use), 34th Annual Telly Awards, 2013.
- International Association of Aquaculture Economics and Management, Best Master's Thesis Award, 2010.
- Virginia Junior Academy of Science, 1995 – 2001, First Place—1999.
- Who's Who Among Students in American Universities and Colleges, 2006.

GRANTS AND SCHOLARSHIPS

- Oil Disaster Recovery Program—GSMFC (co-coordinator)
- Economics Program—GSMFC (principal coordinator)
- The Garden Club of America Summer Environmental Studies Scholarship
- Virginia Tech John Lee Pratt Animal Nutrition Senior Research Scholarship
- Virginia Association of Soil and Water Conversation Academic Scholarship
- Charles E. Hillsman Scholarship
- The Explorers Club of America Youth Activity Fund
- USDA Summer Research Grant
- Waste Management Student Research Grant
- Virginia Space Grant Consortium Research Grant