

Shannon E. Unger

(636) 219-3356
shanbig@hotmail.com

3122 Laurel Wood Drive
Matthews, NC 28105

EDUCATION

M.A.	Southern Oregon University	Science Education	2007
M.S.	Missouri State University	Biology	2002
B.S.	Missouri State University	Biology	2000

PROFESSIONAL EXPERIENCE

Curriculum Coordinator

2015 - Present

Atomz Lab. Charlotte, South Carolina. As the Curriculum Coordinator for Atomz Lab, I have developed and implemented a variety of science education programs and experiences for PreK through adults.

Field Trip Leader

2015 - Present

North Carolina Wildlife Federation. Charlotte, North Carolina. As field trip leader, I have taken PreK-adults on hikes in a variety natural areas throughout the Charlotte area.

Program Director

2013-2015

Ruth Patrick Science Education Center. University of South Carolina Aiken. Aiken, South Carolina. As environmental education program director, I designed all PreK-12 outdoor education offerings. I implemented state-standardized programs and camps for PreK-12 students, professional development for teachers, science education classes for graduate students, and special events for the general public. I trained and supervised other instructors and oversaw the care of all resident outreach animals. Average 2014-2015 visiting program evaluations was 4.87 out of 5 for content, delivery, and overall experience.

Adjunct Professor

2013-present

Ivy Tech Community College. Lafayette, Indiana. As instructor of online introductory biology classes, I facilitate learning for students through mentoring, class discussions, and evaluations. Recent Evaluation from students was 4.72 out of 5 for content, delivery and overall experience.

Adjunct Professor

2012-present

Allied American University. Online. As instructor of online biology, ecology, and anatomy and physiology classes, I facilitate learning for students through class discussions, mentoring, and evaluations.

Education Coordinator

2009-2013

Nina Mason Pulliam EcoLab. Marian University. Indianapolis, Indiana. As the Environmental Education Coordinator, I designed and implemented state-standardized environmental education and other science programs for PreK-12 students, professional development for teachers, and special events for the general public. In addition, I supervised interns and instructors, coordinated volunteers, planned conferences, developed and oversaw camps, and helped to develop the Indiana Environmental Literacy Plan.

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Science Teacher
2008-2009

Tecumseh Junior High. Lafayette School District. Lafayette, Indiana. I was an 8th grade science instructor that developed and implemented state-standardized science curriculum and coached the Science Bowl team.

Science Teacher
2006-2008

Seven Oak Middle School. Lebanon School District. Lebanon, Oregon. I was a 7th grade instructor that developed and implemented state-standardized science curriculum and facilitated a variety of environmentally-focused student-led service projects for middle school students and the community.

Watershed Educator
2005-2006

Ashland High School. Ashland School District. Ashland, Oregon. I was a science teacher assistant and contracted as a visiting facilitator to lead students through watershed curriculum and community service.

Research Biologist
2005

World Wildlife Fund. Ashland, Oregon. I was the crew leader of a water quality analysis project focusing on the effects of grazing on stream health. I wrote the study plan and literature review and oversaw all field work.

Adjunct Professor
2004-2006

Southern Oregon University. Ashland, Oregon. As a biology instructor, I designed and implemented biology lectures and labs.

Environmental Educator
2004

University of Oregon. Eugene, Oregon. I was contracted to develop and implement a series of afterschool environmental education programs.

Outreach Coordinator
2003-2006

Geos Institute. Ashland, Oregon. This was a position with many duties, including, water quality assessment work, timber tracking, development and implementation of environmental education programs, events, and conferences as well as coordination of interns and volunteers and overseeing a variety of community enrichment projects and community service.

Adjunct Faculty
2003-2005

Rogue Community College. Medford and Grants Pass, Oregon. As a biology instructor, I designed and implemented biology lectures and labs.

Conservation Instructor
2003

International Student Travel. Australia. As an instructor, I led a group of college students through a series of environmental education lessons, a variety of conservation service projects, place-based learning opportunities, and adventurous activities throughout Australia for a summer.

Adjunct Faculty
2002-2003

Ozark Technical College. Springfield, Missouri. As a biology instructor, I designed and implemented biology lectures and labs.

Upward Bound Instructor
2002

Crowder College. Neosho, Missouri. I instructed exceptional high school students in a variety of sciences at a residential summer program.

*Research Assistant
Adjunct Professor*

Missouri State University. Springfield, Missouri. As a research assistant, I collected mussel specimens and oversaw propagation experiments.

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- Teaching Assistant**
2000-2003
As a teaching assistant and lab instructor, I developed and implemented ecology and biology lectures and labs as well as trained other instructors.
- Volunteer Coordinator**
1999-2000
Ozark Greenways. Springfield, Missouri. I coordinated volunteer efforts and organized public enrichment projects as well as maintained trails and natural areas throughout the community.
- Gymnastics Instructor**
1994-2000
Y.M.C.A. St. Charles, Missouri. As an instructor, coach and camp counselor, I taught children as young as one years old to adults, including those with special needs, gymnastic skills and developed summer camps.

SERVICE

- Board Member**
2015 - Present
Habitat and Wildlife Keepers. Matthew, North Carolina. As Board Member, I help plan and implement community outreach events and service opportunities.
- Outreach Educator**
2015 - Present
Wingate Science Outreach. As a volunteer outreach educator, I plan, organize and implement environmental education programs.
- Active Member**
2003-Present
Environmental Education (EE) Organizations. Oregon, Indiana, South Carolina, North Carolina. I was an active member of the EE of Oregon, Board Member of the EE of Indiana, and EE of Indiana Literacy Plan Editor. I was a Committee Member of the EE of South Carolina and Vice Team Leader of the Environmental Science Education Collaborative (SC). I recently joined the North Carolina Association of EE.
- Animal Shelter Volunteer**
1994-2008
Animal Shelters. Missouri, Oregon. I served as an animal caretaker, fundraiser and outreach coordinator for the St. Charles Humane Society(MO), CAREnon-killanimal shelter (MO) and Heartland Human Society (OR).
- Environmental Educator**
2003-2006
Non-Profits and Government Agencies. Oregon. I was a volunteer environmental educator for the Bureau of Land Management, North Mountain Park Nature Center, and Salmon Watch (Ashland, OR).
- Sierra Club President**
1996-2002
Missouri State University (MSU). Springfield, Missouri. I was the founder and served as president of the MSU Campus Chapter Sierra Club.
- Horse Trail Guide**
1994-1997
Quail Ridge. Wentzville, Missouri. As a volunteer, I led groups on horseback on nature trails as well as cared for horses.

CERTIFICATIONS and TRAININGS

In Progress: North Carolina Environmental Education Certification Program (NC, 2015)

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Boy Scout Badge Counselor Training (NC, 2015)

CPR and First Aid (SC, 2015)

Project Learning Tree Facilitator Workshop (SC, 2015)

Project: Flying Wild Facilitator Workshop (SC, 2014)

Sharing Nature: Educator's Week Workshop (National Audubon Society, MN, 2014)

National Audubon Project Leader Training Week (NE, 2013)

Project Growing Up WILD Workshop (IN, 2012)

Project Learning Tree Early Childhood Workshop (IN, 2012)

Healthy Water, Healthy People Workshop (IN, 2012)

Project WILD Project and WILD Aquatic Wet dual Educator's Workshop (IN, 2010)

MEDIA

Biles, Dede. (2015, Oct. 29). Helping Hands Helping Birds Teaches Children About Nature. *Aiken Standard*.

Biles, Dede. (2014, Nov. 3). Hunter the New Owl in the Aviary at the Ruth Patrick Center. *Aiken Standard*.

McNulty, Amanda. (2014, Oct. 22). Watching It Grow. Educational Television.

Ron, Breneman. (2014, July 15). Jo-Jo, A Flying Squirrel, Lives a Comfortable Life. *Aiken Standard*.

Schechter, Maayan. (2013, Sept. 29). Festival Celebrates Hitchcock Woods. *Aiken Standard*.

Biles, Dede. (2013, Aug. 11). Screech Owls Prepare for New Roles in Education. *Aiken Standard*.

CONFERENCE PRESENTATIONS

Unger, Shannon. Interdisciplinary Curriculum with Use of Live Animals. STEM Symposium: 2014, January 23; Aiken, South Carolina.

Unger, Shannon. Using Nature to Teach Across the Curriculum. 2012 Indiana Summit on Out of School Learning: 2012, March 13-14; Indianapolis, Indiana.

Unger, Shannon; Barnhart, Christopher. Host Specificity of Freshwater Mussels: a Critical Factor in Conservation. The Freshwater Mollusks Conservation Society. 2002; St. Louis, Missouri.

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Unger, Shannon; Barnhart, Christopher. Host Specificity of Freshwater Mussels: a Critical Factor in Conservation. The Interdisciplinary Forum: 2002; Missouri State University; Springfield, Missouri.

PROFESSIONAL ORGANIZATION MEMBERSHIP

North Carolina Association of Environmental Education
Environmental Science Education Collaborative
Environmental Education Association of South Carolina
Environmental Education Association of Indiana
Hoosier Association of Science Teachers, Inc.
Environmental Education Association of Oregon
Oregon Education Association
National Education Association

GRANTS

2014	Audubon Society Augusta-Aiken Chapter (through the Ruth Patrick Science Center). Project: Flying Wild Workshops sponsorship.	\$2,200
2014	Toyota TogetherGreen (through the Ruth Patrick Science Center). Helping Hands Helping Birds.	\$16,270
2009	Entomological Foundation (through the Nina Mason Pulliam EcoLab). Creepy Critters of Cold Creek.	\$500
2004	Ashland School District (through the Geos Institute). Watershed Education Grant.	\$350

REFERENCES

Gary Senn, Ph.D. Director of Ruth Patrick Science Center, University of South Carolina Aiken, 471 University Parkway, Aiken, SC 29801. Tel: (803) 641-3558 Email: senng@usca.edu (Supervisor).

Paul Koehler. Director of Silver Bluff Audubon Center, 4542 Silver Bluff Road, Jackson, SC 29831. Tel: (803) 471-0291 E-mail: pkoehler@audubon.org (Supervisor).

Janice Hicks-Slaughter, MA. Director of Education, Nina Mason Pulliam EcoLab, Marian University, Indianapolis, IN 46222. Tel: (317) 524-7701 Email: jhslaughter@marian.edu (Supervisor).

Tonya Graham, MA. Executive Director of the Geos Institute, 84 4th St. Ashland, OR 97520. Tel: (541) 482-4459 x 301 (Supervisor).