

**CURRICULUM VITAE
DANIELLE QUINN**

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EDUCATION

PhD – Biology Jan 2016 – present
Memorial University, St. John’s, NL, Canada

MSc – Biology Sep 2010 – May 2013
Acadia University, Wolfville, NS, Canada

BSch – Biology Sep 2005 – May 2010
Acadia University, Wolfville, NS, Canada

WORK AND RESEARCH EXPERIENCE

Nunavut Wildlife Management Board Iqaluit, NU
Consultant Sep 2019 – present
Scoping Out the Next Steps of Utilizing Long Term Citizen Science Wildlife Data Sets

Emeritus Institute of Management Singapore
Course Designer / Materials Expert / Course Lead / Instructor Feb 2019 – present
UC Berkley Extension Introduction to Data Science (Design, Materials Expert)
UC Berkley Extension Practical Machine Learning in R (Design, Materials Expert, Lead, Instructor)

Department of Fisheries and Oceans Canada Dartmouth, NS
Biologist (BI-02, Casual) Jan 2018 – Apr 2018
Designing an Interactive User Interface to Facilitate Database Cleaning

Acadia University Wolfville, NS
Sessional Lecturer / Instructor Dec 2016 – Apr 2017
BIOL4113 Fish Biology and Fisheries

Department of Fisheries and Oceans Canada St. John’s, NL
Consultant Jan 2016 – Dec 2017
Investigating Size-Based Metrics of Community Status for Marine Fish

Petitcodiac Watershed Alliance Riverview, NB
Consultant Mar 2015
Changes in Water Quality (1997 to 2014) in Twenty Sites in the Petitcodiac Watershed

Nova Scotia Department of Natural Resources Kentville, NS
Consultant Apr 2014 – Mar 2017
The Influence of Forestry Practices on the Distribution of Lynx

George Family Farms <u>Consultant</u> <i>Review and Preliminary Design of Closed, Multi-Trophic Tilapia Aquaculture Systems</i>	Annapolis Valley, NS Mar 2014
Mitacs & Atlantic Elver Fishery <u>Consultant</u> <i>Long Term Monitoring Protocol and Analysis Template for American Eel</i>	Wolfville, NS Mar 2013
Acadia University / Dr. Trevor Avery <u>Research Assistant</u>	Wolfville, NS May 2013 – Apr 2016
Nova Scotia Department of Fisheries and Aquaculture <u>Consultant</u> <i>Restructuring the NSDFA FINS Database</i> <i>Impacts of Introduced Species on Lake Fish Communities in Nova Scotia</i>	Pictou, NS Sep 2011 – Mar 2013
Department of Fisheries and Oceans Canada / Coldbrook Biodiversity Facility <u>Biological Technician</u>	Coldbrook, NS Apr 2009 – Jul 2009, Apr 2010 – Aug 2010
KC Irving Science Center & Roosevelt Campobello International Park <u>Environmental Interpreter</u>	Campobello Island, NB Jun 2007 – Aug 2007

REFEREED AND NON-REFEREED CONTRIBUTIONS

- 2019 O. Cereceda and D. Quinn. A graduate student perspective on overcoming barriers to interacting with open-source software. *Facets*. (submitted May 2019; revisions submitted Sep 2019)
- D. Quinn. Who's talking? Gender discrepancy in conservation at AFS418. *Fisheries* 44(6): 266-268. DOI: 10.1002/fsh.10253
- 2016 C. Tocco, D. Quinn, J. Midgley, and M. Villet. Optimising design and effort for environmental surveys using dung beetles (Coleoptera: Scarabaeinae). *The Canadian Entomologist* 149(2): 214-226. DOI 10.4039/tce.2016.48
- 2015 D. Quinn. Water quality analysis. Petitcodiac Watershed Alliance, Moncton, NB. Research Report. 1-36.
- 2014 D. Quinn. Considerations for a closed, multi-trophic tilapia aquaculture system in Nova Scotia. Acadia University Research Report. 1-28.
- D. Quinn. Evaluation, joining and restructuring of the FINS database. Nova Scotia Department of Aquaculture and Fisheries Inland Fisheries Division. 1-60.
- 2013 Stevens, L., D. Quinn, & T. S. Avery. Long term monitoring protocols and analysis template for American eel. MITACS & Atlantic Elver Fishery. Acadia University Research Report.
- D. Quinn. The structure of freshwater and diadromous fish assemblages in Nova Scotia rivers and lakes and the contribution of non-native piscivorous fish to fish assemblage structure using historical data. M.Sc. Thesis, Acadia University. 1-137. (Examined by 4 internal and 2 external committee members)

2010 D. Quinn. Characteristics of Atlantic salmon (*Salmon salar*) migration in the Gaspereau River, Nova Scotia. B.Sc. Honours Thesis, Acadia University. 1-51. (Examined by 2 internal and 1 external committee members)

D. Quinn. Characteristics of Atlantic salmon (*Salmo salar*) smolt migration in the Gaspereau River, Nova Scotia (2007-2010). Department of Fisheries and Oceans Canada (DFO) Technical Report. 1-32.

2009 D. Quinn. Characteristics of Atlantic salmon (*Salmo salar*) smolt emigration on the Gaspereau River (2007-2009). DFO Technical Report. 1-25.

D. Quinn. Alewife (*Alosa pseudoharengus*) migration in the Gaspereau River. DFO Technical Report. 1-13.

PRESENTATIONS, POSTERS, AND WORKSHOPS

2019 D. Quinn*. Enhancing reproducibility in fisheries science with interactive user interfaces. American Fisheries Society (AFS) and The Wildlife Society Joint Annual General Meeting. Reno, NV. 30 Sep-4 Oct.

O. Cereceda* and D. Quinn*. Graduate students: between an open source rock and an academic hard spot. Memorial University Teaching and Learning Conference. St. John's, NL. 1-2 May

D. Quinn*. The complexity of species complexes: supervised machine learning to facilitate cryptic skate classification and observer training in real time. Biology Graduate Student Symposium. St. John's, NL. 8 Apr

D. Quinn*. Interactive web apps with RShiny. NDev 34 & RBar. St. John's, NL. 27 Mar

2018 D. Quinn* and O. Cereceda*. Graduate students: between an open source rock and an academic hard spot. Canadian Celebration of Women in Computing 2018. Halifax, NS. 2-3 Nov

D. Quinn*, E. Chase, and T. S. Avery. Unsupervised and supervised machine learning to classify cryptic skate species from morphometric data. AFS Annual General Meeting. Atlantic City, NJ. 18-23 Aug

D. Quinn*, C. MacDonald, J. Wester, and C. Pankow. R at Sea: A Carpentry-inspired workshop for immersive learning on and under the water. CarpentryCon 2018. Dublin, Ireland. 30 May - 1 Jun & SciPy 2018. Austin, TX. 6-8 Jul

2016 D. Quinn*. Can you automate that? An overview of applications of R and R-based extensions. Ocean Science Center Seminar Series, Memorial University, St. John's, NL. 13 Oct

D. Quinn* and T. S. Avery. Ecoshift: investigating changes in ecological systems. AFS Atlantic International Chapter (AIC). Holderness, NH, USA. 11-13 Sep

D. Quinn, J. Whidden*, and T. S. Avery. Quantifying and interpreting evidence of school and site fidelity of little skate and winter skate in a spatially confined area in the Bay of Fundy, Canada.

American Elasmobranch Society Joint Meeting of Ichthyologists and Herpetologists. New Orleans, LA, USA. 7-10 Jul

D. Quinn*. The ebb and flow of conservation in the community. Acadia Lifelong Learning Brown Bag Lunch Seminar Series (*Invited Speaker*). Acadia University, Wolfville, NS. 10 Mar

D. Quinn*, J. Whidden, and T. S. Avery. Characterization of school and site fidelity patterns of striped bass, little skate, and winter skate in a spatially confined basin. Science Atlantic Biology and Fisheries and Aquaculture (SABFA) Conference. Halifax, NS. 14 Mar

D. Quinn*, J. Whidden, and T. S. Avery. Quantifying and interpreting evidence of school and site fidelity of three at-risk species, striped bass, little skate, and winter skate in a spatially confined area. Canadian Conference for Fisheries Research. St. John's, NL. 7-9 Jan

2015 D. Quinn*, J. Whidden, and T. S. Avery. Preliminary results of a capture-mark-recapture study of striped bass in the Inner Bay of Fundy: evaluating outreach success, determining growth rate, and examining evidence of school fidelity. AFS AIC. Cap-Pele, NB. 20-22 Sep

J. Whidden, D. Quinn*, and T. S. Avery. Preliminary results of a capture-mark-recapture study of winter skate and little skate in the Inner Bay of Fundy: evaluating outreach success, determining growth rate, and examining evidence of school fidelity. AFS AIC. Cap-Pele, NB. 20-22 Sep

C. Wood, D. Quinn, J. Whidden, and T. S. Avery*. Population demographics and egg colouration of lady crab in Minas Basin, Bay of Fundy. AFS AIC. Cap-Pele, NB. 20-22 Sep

D. Quinn*, J. Whidden, and T. S. Avery. Citizen science in monitoring and conservation of striped bass in Canada. Kings County Wildlife Association (*Invited Speaker*). Kentville, NS. 2 Jun

D. Quinn* and T. S. Avery. Updates on striped bass tagging program, training, and angler surveys. Striped Bass Association Meeting (*Invited Speaker*). Stewiacke, NS. 25 Mar

C. Wood*, D. Quinn, and T. S. Avery. Population characteristics of lady crab in Minas Basin. SABFA Conference. Moncton, NB. 13 Mar (Poster)

2014 D. Quinn*, J. Whidden, and T. S. Avery. Conservation through citizen science: how does outreach enhance our striped bass tagging program? Mersey Tobeatic Research Institute's Conservation Science Meeting. Lunenburg, NS. 7 Nov (Poster)

D. Quinn*, J. Whidden, and T. S. Avery. Track my fish: engaging recreational anglers in fish tagging programs. Mersey Tobeatic Research Institute's Conservation Science Meeting. Lunenburg, NS. 7 Nov (Poster)

D. Quinn*, T. S. Avery, and J. Whidden. Conservation through citizen science: population demographics of striped bass in the Inner Bay of Fundy. AFS. Quebec City, QC. 21 Aug

T. S. Avery*, J. Whidden*, and D. Quinn*. Track my fish: engaging recreational anglers in fish tagging programs. AFS. Quebec City, QC. 21 Aug (Poster)

- T. S. Avery*, D. Quinn, and J. Whidden. Using citizen science to supplement data collection in recreational fisheries. Bedford Institute of Oceanography Ocean and Ecosystem Science Seminar Series (*Invited Speaker*). Dartmouth, NS. 25 Apr
- T. S. Avery*, D. Quinn, and J. Whidden. Track my fish: supplemental data collection using recreational anglers. Atlantic Society of Fish and Wildlife Biologists (ASFWB) Spring Seminar (*Invited Speaker*). Mount Allison University, Sackville, NB. 24 Apr
- D. Quinn*. Citizen science and community involvement in local research and conservation. MCG Striped Bass Conservation & Education Workshop (*Invited Speaker*). Truro, NS. 28 Mar
- 2013 D. Quinn* and T. S. Avery. Evaluating changes to fish assemblage structure in response to non-native species establishment: maps, models, and mathematics. AFS AIC. Winter Harbor, ME, USA. 22-24 Sep
- J. Whidden*, T. S. Avery, and D. Quinn. Characterizing populations of striped bass, winter skate, and little skate in the inner Bay of Fundy. AFS AIC. Winter Harbor, ME, USA. 22-24 Sep
- D. Quinn*, T. S. Avery, and J. Gibson. Smallmouth bass (*Micropterus dolomieu*) dispersal in LaHave River, Nova Scotia, and evidence of change in native fish assemblages. SABFA. Acadia University, Wolfville, NS. 15-17 Mar
- D. Quinn*, T. S. Avery, and J. Gibson. Trends in catch-per-unit-area (CPUA) and abundance rank of two diadromous species, Atlantic salmon and American eel, in Nova Scotia Southern Upland rivers (1980 – 2010). Diadromous Species Restoration Research Network (DSRRN) Science Meeting. Orono, ME. 10-11 Jan (Poster)
- 2011 D. Quinn*, T. S. Avery, and J. Gibson. Analysis of historical fish assemblages and invasive species, and potential applications to lake management. Area 5 Recreational Fishery Advisory Council Meeting (*Invited Speaker*). Windsor, NS. 9 Nov
- D. Quinn*, T. S. Avery, and J. Gibson. Patterns of invasion revealed by the changing structure of freshwater and diadromous fish assemblages in lakes and rivers of Nova Scotia. ASFWB Annual General Meeting. Antigonish, NS. 26-27 Oct
- D. Quinn*, T. S. Avery, and J. Gibson. Characteristics of freshwater fish assemblages and fifty-year population trends of freshwater and diadromous fish species in Nova Scotia. AFS AIC. Quebec City, QC. 25-27 Sep
- Workshop Participant: Variability of North Atlantic Diadromous Fish Populations: Establishing Reference Points for Restoration Assessment.* DSRRN. Orono, ME, USA. 26-27 May
- D. Quinn*, T. S. Avery, and J. Gibson. Potential contributions of smallmouth bass to freshwater fish assemblage structure in Nova Scotia. Nova Scotia Federation of Anglers and Hunters Annual General Meeting (*Invited Speaker*). Bridgewater, NS. 26 Mar
- D. Quinn*, T. S. Avery, and J. Gibson. Characteristics of freshwater fish assemblages in Nova Scotia. 21st Annual Atlantic Provinces Council on the Sciences Aquaculture and Fisheries Conference. Halifax, NS. 12 Mar

- 2010 D. Quinn* and M. Dadswell. Characteristics of wild and hatchery-released Atlantic salmon (*Salmo salar*) smolt migration in the Gaspereau River, Nova Scotia. BioFeedback, Acadia University, Wolfville, NS. 17 Feb
- 2009 D. Quinn* and M. Dadswell. Using growth rings of striped bass scales to determine stock origin. Research Topics Symposium, Acadia University, Wolfville, NS, 31 Mar (Poster)

TEACHING EXPERIENCE

- 2019 **Using {tidyverse} to Manage, Wrangle, and Communicate Fisheries Data**
American Fisheries Society, Reno, NV (*instructor, 4 hr*)
- Fundamental Concepts and Applications of R for Fisheries and Wildlife Science**
American Fisheries Society, Reno, NV (*instructor, 9 hr*)
- Intermediate Wildlife Conservation Program**
Terranaut Club, Bon Portage Island, NS (*organizer / instructor, 4 day overnight program*)
- Intermediate Marine Biologist Program**
Terranaut Club, Heckman's Island, NS (*organizer / instructor, 2 day overnight program*)
- Junior Marine Biologist Program**
Terranaut Club, Windsor, NS (*organizer / instructor, 2 day overnight program*)
- SURGE Discover Coding**
SURGE Science Innovation Sandbox, Halifax, NS (*helper, 8 hr*)
- Introduction to R**
Ocean Tracking Network, Halifax, NS (*instructor, 8 hr*)
- Unix Shell, Git, and Python (Software Carpentry)**
Memorial University, St. John's, NL (*organizer / instructor, 4 hr*)
- Spreadsheet Design, OpenRefine, and R (Data Carpentry)**
Memorial University, St. John's, NL (*organizer / instructor, 12 hr*)
- Regression Modeling in R: Case Studies***
DataCamp (online) (*developer / instructor, 4 hr*) [*course withdrawn]
- Doing More with {dplyr}**
RBar, Memorial University, St. John's, NL (*organizer / instructor, 1 hr*)
- 2018 **Spreadsheet Design, OpenRefine, and R (Data Carpentry)**
Fort Hare University, Alice, South Africa (*instructor, 12 hr*)
Rhodes University, Grahamstown, South Africa (*instructor, 12 hr*)
- R at Sea: Introduction to R and Ecological Modelling in R**
Field School, Miami, FL, USA (*instructor, 25 hr*)
- Unix Shell, Git, and R (Software Carpentry)**

Chicago Federal Reserve Bank, IL, USA (*organizer / instructor, 8 hr*)
Memorial University, St. John's, NL (*organizer / instructor, 8 hr*)
Acadia University, Wolfville, NS. (*organizer / instructor, 12 hr*)

Junior Wildlife Conservation Program

Terranaut Club, Bon Portage Island, NS (*organizer / instructor, 4 day overnight program*)

Junior Marine Biologist Program

Terranaut Club, Windsor, NS (*organizer / instructor, 2 day overnight program*)

The Carpentries Instructor Training

SciPy 2018, Austin, Texas (*instructor, 8 hr*)
Compute Canada (online) (*instructor, 8 hr*)
The Carpentries (online) (*instructor, 8 hr*)
Boise State University & North Texas University (online) (*instructor, 8 hr*)

Next Steps in R

CarpentryCon 2018, Dublin, Ireland. (*organizer / instructor, 1.5 hr*)

Best Practices of Data Organization and Introduction to R/RStudio

Acadia University, Wolfville, NS (*organizer / instructor, 8 hr*)

2017 **BIOL4113 Fish Biology and Fisheries**

Acadia University, Wolfville, NS (*lecturer / instructor, 30 hr course / 30 hr lab*)

The Carpentries Instructor Training

Smithsonian Institute & Weill Cornell Medical School (online) (*instructor, 8 hr*)

R at Sea: Introduction to R and Ecological Modelling in R

Field School, Miami, FL, USA (*instructor, 25 hr*)

Unix Shell, Git, and R (Software Carpentry)

West Virginia University, WV, USA. (*organizer / instructor, 8 hr*)

Unix Shell, Git, and Python (Software Carpentry)

Memorial University, St. John's, NL (*helper, 16 hr*)

Introduction to R and RStudio

Memorial University, St. John's, NL (*organizer / instructor, 4 hr*)

2016 **Data Wrangling, Visualization, and Modeling in R**

University of Maine, Orono, ME, USA (*instructor, 6 hr*)

Simulating Capture-Mark-Recapture Scenarios in the Inner Bay of Fundy

BIOL4113, Acadia University, Wolfville, NS (*instructor, 3 hr lab*)

2015 **Tagging Ambassador Training**

Striped Bass Research Team (SBRT), Wolfville, NS (*organizer / instructor, 3 hr*)

Resampling Algorithms and Sensitivity Analyses in R

RBar, Acadia University, Wolfville, NS (*organizer / instructor, 1 hr*)

Unix Shell, Git, and R (Software Carpentry)

Acadia University, Wolfville, NS (*organizer / instructor, 4 hr*)

Introduction to R: Data Manipulation, Visualization, and Statistical Analyses

BIOL5021, Acadia University, Wolfville, NS (*instructor, 1 hr*)

Modelling Biological and Ecological Data in R

Rhodes University, Grahamstown, South Africa (*instructor, 20 hr*)

2014 **Fish Tagging Programs: Why We Need You**

SBRT & Clean Annapolis River Project, Nictaux Falls, NS (*organizer / instructor, 2 hr*)

Mi'kmaw Conservation Group, Millbrook, NS (*organizer / instructor, 2 hr*)

Mi'kmaw Conservation Group, Indian Brook, NS (*organizer / instructor, 2 hr*)

Mi'kmaw Conservation Group, Pictou Landing, NS (*organizer / instructor, 2 hr*)

Mi'kmaw Conservation Group, Glooscap, NS (*organizer / instructor, 2 hr*)

Mi'kmaw Conservation Group, Annapolis Valley, NS (*organizer / instructor, 2 hr*)

Mi'kmaw Conservation Group, Fort Folly, NB (*organizer / instructor, 2 hr*)

Marine Conservation

BIOL2563, Acadia University, Wolfville, NS (*guest lecturer, 2 hr*)

Intertidal Ecology

BIOL3013, Acadia University, Bon Portage Island, NS (*instructor, 3 day field course*)

2013 **Challenges and Solutions in Fisheries Management**

BIOL2563, Acadia University, Wolfville, NS (*guest lecturer, 2 hr*)

Real-World Tagging: How Do Tagging Programs Really Work?

SBRT & Joggins Fossil Cliffs, Joggins, NS (*organizer / instructor, 1 hr*)

2010 - 2012 **Introduction to Biology Laboratory**

BIOL1103, Acadia University, Wolfville, NS (*teaching assistant, 150 hr*)

GRANTS AND AWARDS

- 2019 Science Communication Award (Biology Graduate Student Symposium)
Best PhD Presentation in Ecology and Evolution (Biology Graduate Student Symposium)
- 2018 CarpentryCon Travel Award
- 2017 Natural Sciences and Engineering Research Council of Canada Scholarship (\$63K grant)
- 2016 Canadian Conference for Fisheries Research Clemens-Rigler Travel Award
ACENET Research Fellowship Award (\$5K grant)
- 2013 Science Atlantic Fisheries and Aquaculture Graduate Research Award
- 2012 Environment Canada Science Horizons Youth Internship Program (\$11.5K grant)
Freshwater Fisheries Research Cooperative (FFRC) (\$9.2K grant)
FFRC (\$5.4K grant)
- 2011 Dr. J. Murray Beardsley Research Scholarship in Biology
FFRC (\$1.5K grant)
- 2010 Atlantic Society of Fish and Wildlife Biologists Donald G. Dodds Scholarship

FIELD SKILLS

- Tag application (dart, T-bar, PIT, elastomer) of fish species
- Fish (freshwater and marine), coral, seagrass, and marine invertebrate identification
- Handling and release techniques for freshwater and marine fish species, including striped bass, Atlantic sturgeon, Atlantic salmon, skates, and pelagic sharks
- Tissue, scale, mucus, and blood collection from fish species
- Designing, assembling, deploying, retrieving, and analyzing baited remote underwater camera systems (BRUVs)
- Assembling, deploying, and fishing using long lines, gill nets, drum lines, seine nets, and small baited fish traps
- Working in remote areas and extreme weather conditions
- Working from and living on small and medium sized vessels in coastal waters
- General vessel skills; boat safety, knots, throw lines, basic navigation
- Snorkeling and free diving for the purpose of scientific data collection (i.e. seagrass, mangrove and coral monitoring surveys)

COMPUTATIONAL SKILLS

- R/RStudio (data management, statistical, graphical, programming)
- RShiny (interactive interface / dashboards)
- RMarkdown (dynamic document creation)
- Git/GitHub (version control, file sharing)
- Python (programming)
- Unix Shell (programming)
- OpenRefine (data cleaning)
- Spreadsheets (e.g. Excel)
- Presentation and Word processing software (e.g. PowerPoint, Word)
- Databases (e.g. Access, SQLite) and front-end database design
- Newsletter, poster, and other visual aid processing software (e.g. Publisher)

QUANTITATIVE SKILLS

- Parametric and non-parametric statistics
- Resampling and simulation methods
- General linear models (GLMs)
- General linear mixed effect models (GLMMs)
- General additive (GAMs) and additive mixed models (GAMMs)
- Zero inflated models
- Occupancy models
- Machine learning routines (Azure ML, Python scikit-learn, R)

INVOLVEMENT IN STUDENT RESEARCH

- 2019 *Co-Supervisor*, Gwendolyn Ough, BSc Honours Research. Using eyespots for species identification in two cryptic skate species. Biology Dept., Acadia University, Wolfville, NS.
- 2017 *Co-Supervisor / Project Manager*, Emma Carmichael, BSc Honours Research. Population dynamics of two cryptic skate species in the Bay of Fundy and their social image among fishing community demographics. Biology Dept., Acadia University, Wolfville, NS.

- 2016 *Thesis Defense Committee Member*, Regan Maloney, BSc Honours Research. Evolutionary trends of the Carboniferous ostracod *Velatomorpha atilis*, Joggins Fossil Cliffs, UNESCO World Heritage Site. Biology Dept., Acadia University, Wolfville, NS.
- Project Manager*, Holly McCulloch, BSc Honours Research. Biodiversity trends in urban storm water ponds. Biology Dept., Acadia University, Wolfville, NS.
- 2015 *Project Manager*, Caroline Wood, Special Topics in Biology Research. Population characteristics of lady crab, *Ovalipes ocellatus*, in Minas Basin. Biology Dept., Acadia University, Wolfville, NS.
- Project Manager*, Laura Keays, BSc Honours Research. Population demographics of longfin squid, *Loligo pealeii*, in the Minas Basin, Bay of Fundy, Nova Scotia. Biology Dept., Acadia University, Wolfville, NS.
- 2013 *Project Manager*, Chelsea Hung, Special Topics in Biology Research. Age determination method for fish scales using image processing. Biology Dept., Acadia University, Wolfville, NS.

CONTINUING EDUCATION

- 2018 **Promoting Fisheries Science via Social Media at #AFS148**
American Fisheries Society (online) (*1 hour webinar*)
- Networking, Mentorship, and Sponsorship**
Women in Science, Engineering, Technology, and Trades, St. John's, NL. (*8 hour workshop*)
- Teaching Dossiers: An Introduction to Documenting Teaching Activity and Effectiveness**
Teaching Dossier Series, Memorial University, St. John's, NL (*1 hour workshop*)
- 2017 **Creating Effective Online and Blended Courses**
Stanford Online (online) (*20 hour course*)
- Software Carpentry Instructor Trainer Training**
Software Carpentry (online) (*45 hour course*)
- 2016 **Software Carpentry Instructor Training**
Software Carpentry (online) (*16 hour course*)
- Bayesian Integrated Population Modelling**
Patuxent Wildlife Research Center, Laurel, MD, USA (*40 hour course*)
- Tropical Marine Ecology**
Field School, Miami, FL, USA (*50 hour course*)
- Elasmobranch Research Field Skills**
Field School, Miami, FL, USA (*70 hour course*)
- 2011 **Mixed Effect Modeling in R**
Highland Statistics Ltd., Halifax, NS. (*40 hour course*)

PROFESSIONAL ASSOCIATIONS

- 2019 – present American Institute of Fishery Research Biologists (*Member*)
Ocean Science Graduate Student Association (*Communications Coordinator*)
American Fisheries Society (AFS) Hutton Review Committee
- 2018 – present AFS Equal Opportunities Section (*Member*)
AFS Scientific Communication Section (*Member*)
Terranaut Club (*President, Board of Directors*)
- 2016 – present The Carpentries (*Instructor, Instructor Trainer*)
WISE GSS Memorial University (*Member*)
- 2013 – present Atlantic Society of Fish and Wildlife Biologists (ASFWB) (*Newsletter Editor*)
- 2012 – present AFS Atlantic International Chapter (*Member*)
AFS (*Member*)
- 2017 – 2019 Women in Science and Engineering (WISE) Graduate Student Society (GSS) Memorial University (*Executive At-Large*)
- 2016 – 2017 Females in the Natural Sciences Canada (*Board of Directors*)
- 2015 – 2016 WISE Acadia University Chapter (*Member*)
- 2015 – 2016 Canadian Foundation of University Women Wolfville Chapter (*Member*)
- 2013 – 2016 Striped Bass Association (*Member*)
- 2011 – 2013 ASFWB (*VP Student Affairs*)

VOLUNTEER EXPERIENCE

- 2017 – present **Skype a Scientist** (*guest lecturer*)
Connect Charter School, Calgary, AL
Holy Spirit High School, St. John's, NL
Thomas Nelson Community College, Hampton, VA
Hardin County Schools Early College and Career Center, Elizabethtown, KY
Siegel Elementary School, Murfreesboro, TN
Quarry Hill Community School, Monson, MA
Resurrection College Prep, Chicago, IL
Meadowbrook Elementary School, Golden Valley, MN
Health, Wellness, and Environmental Studies Magnet School, Jonesboro, AR
Cardinal Carter Catholic High School, Aurora, ON
John Muir Elementary School, Kirkland, WA
Fair Oaks Ranch Elementary School, San Antonio, TX
- 2016 – present **The Carpentries** (*instructor, instructor trainer*)
- 2015 – present **RBar Scientific Programming Study Group** (*founder and session leader*)
Memorial University, St. John's, NL
Acadia University, Wolfville, NL
- 2018 **WinSETT Leadership Workshop Series** (*volunteer*)
WISE, St. John's, NL

CarpentryCon 2018 (*organizing committee / social media manager*)
The Carpentries & University College Dublin, Dublin, Ireland

The Carpentries (*mentor*)
The Carpentries Mentoring Program

Science Atlantic Fisheries and Aquaculture and Biology Conference (*judge*)
Memorial University, St. John's, NL

2017 / 18 **Networking Event Series** (*organizing committee*)
Women in Science and Engineering (WISE) Graduate Student Society, St. John's, NL

2017 **Science Atlantic Fisheries and Aquaculture and Biology Conference** (*judge*)
St. Francis Xavier University, Antigonish, NS

Panel Discussion on Implicit Gender Bias in STEM (*organizing committee*)
WISE Graduate Student Society, Memorial University, St. John's, NL

2016 **WISE Girls Science Retreat** (*organizing committee*)
WISE, Acadia University, Wolfville, NS

2015 / 16 **Sensory Motor Instructional Leadership Experience Science Day** (*guest speaker*)
Acadia University, Wolfville, NS

2015 **WISE Girls Science Camp** (*session leader*)
Mount Saint Vincent University, Halifax, NS

Windsor Elementary School Field Trip (*session leader*)
Windsor Elementary School & Acadia University, Wolfville, NS

2014 **Avon View High School Field Trip** (*session leader*)
Cheverie, NS

Fishing the Weir Demonstration (*session leader*)
Hants County Exhibition. Windsor, NS

2013 – 2015 **R Tutor**
Acadia University, Wolfville, NS

2012 **BioFeedback** (*technical support*)
Acadia University, Wolfville, NS

2011 **Swiftwatch** (*data collection*)
Wolfville, NS.

2009 / 10 **Atlantic Salmon Spawning** (*volunteer*)
Coldbrook Biodiversity Facility, Coldbrook, NS

2008 **Lobster Tagging** (*volunteer*)
Minas Basin, NS