

Eloïse C. ASHWORTH



[Website](#) | [E-mail](#) | [LinkedIn](#)



DUAL NATIONALITY

British and French - *bilingual fluency*.

ADDITIONAL LANGUAGES

Basics in German.

COUNTRIES BASED IN

Canada, Australia, France, New Zealand, Sultanate of Oman, U.K.

KEY SKILLS

(in alphabetical order)

TECHNICAL SKILLS

Analytical & Research Skills

Audio & Video Editing

Conference & Event Planning / Management (in-person, online)

Data Entry & Analyses

Dietary Analysis & Evaluation

DNA & RNA Analysis

Fieldwork & Laboratory Coordinator / Maintenance

Fr-En & En-Fr Translations

Grant Applications

Literature Review

Logistics Management

Macroscopic Dissection & Examination

AREAS OF INTERESTS

Biology • Ecology • Conservation • Fisheries Science • Invasion Biology • Behavioural Science & Ecology • Science Communication

Champions pioneering research and science communication for conservation and management

Intrepid and challenge-driven marine scientist, setting high expectations to deliver quality research. Charismatic leader and proactive team builder, inspiring others towards a common vision. Engaging communicator, making science more compelling and empowering people to succeed.

EDUCATION

- 2013 – 2016** **PhD Researcher.** Research area: Fish Biology and Fisheries Science. School of Veterinary and Life Sciences, Murdoch University; and Western Australian Fisheries and Marine Research Laboratories, Department of Fisheries (WA).
- 2011 – 2012** **Masters degree** in Oceanography. Speciality: Marine Biology and Ecology - *Distinction*. Université d'Aix-Marseille – Institut Pythéas (France).
- 2007 – 2010** **Bachelors degree** in Biology – *1st Class*. Université Catholique de l'Ouest: Institut de Biologie et d'Ecologie Appliquée (IBEA) (France).
- 2006 – 2007** **Baccalaureate-S** (equivalent to British GCE A-Levels). Speciality: Life and Earth Sciences. Saint-Adjutor (France).

PEER-REVIEWED PUBLICATIONS, TECHNICAL REPORTS & THESES

- A. Cottingham, P. Huang, M. R. Hipse, N. G. Hall, E. C. Ashworth, J. Williams and I. C. Potter (2018). **Growth, condition and maturity schedules of an estuarine fish species change in estuaries following increased hypoxia due to climate change.** *Ecology and Evolution*. doi: 10.1002/ece3.4236.
- E. C. Ashworth, S. A. Hesp and N. G. Hall (2017). **A new proportionality-based back-calculation approach, which employs traditional forms of growth equations, improves estimates of length at age.** *Canadian Journal of Fisheries and Aquatic Sciences*.
- E. C. Ashworth, N. G. Hall, S. A. Hesp, P. G. Coulson and I. C. Potter (2017). **Age and growth rate variation influence the functional relationship between somatic and otolith size.** *Canadian Journal of Fisheries and Aquatic Sciences*.
- E. C. Ashworth (2016). *PhD thesis. Exploration of the relationship between somatic and otolith growth, and development of a proportionality-based back-calculation approach based on traditional growth equations.* School of Veterinary and Life Sciences, Murdoch University (Western Australia).
- A. Cottingham, E. C. Ashworth, M. Hipse, J. Williams and I. C. Potter (2016). *Technical Report. Growth and body condition of Black Bream in south-western Australian estuaries have declined.* doi: 10.13140/RG.2.2.22018.48326.
- E. C. Ashworth, M. Depczynski, T. H. Holmes and S. K. Wilson (2014). **Quantitative diet analysis of four meso-predators from a coral reef.** *Journal of Fish Biology*. doi:10.1111/jfb.12343.
- E. C. Ashworth (2012). *M.Sc. thesis. Quantitative diet analysis of tropical reef fish.* Institut Pythéas, Université d'Aix-Marseille (France); and Marine Science Program, Department of Parks and Wildlife (DPaW, Western Australia).
- E. C. Ashworth (2010). *B.Sc. thesis. Resolving the differential sensitivity of marine and freshwater species to chemical substances.* IFREMER, French Research Institute for Exploitation of the Sea, Cellule d'Analyse des Risques Chimiques (Arc) en milieu marin Dt "Biogéochimie et Ecotoxicologie" (France).

SERVICE TO PROFESSION - MANUSCRIPT REVIEWS

Journals: Marine and Freshwater Research; Journal of Fish Biology.

Microscopic Examination & Validation

Otolith / Statolith Sampling, Preparation for Microstructural Examination, Age Determination & Reading

Report Writing

Research Permits Management

Research Vessels Handling

R Programming & Modelling

Scientific Diving / Scuba Diving

Scientific Writing (Peer-reviewed Journals)

Stable Isotopes Preparation & Analyses

Teaching / Coaching

Quantitative & Qualitative Analyses

Website & Graphic Design

TRANSFERABLE SKILLS

Adaptability

Business Management

Creative Problem Solving

Career Development

Decision Making

Delegating

Effective Communication

Instigating Collaborations / Negotiation (Governmental & Academic Institutions)

Interpersonal Skills

Organisation

Leadership Skills

Mentorship / Peer Mentoring

Motivating

Networking

People Management

Planning

Public Speaking

Program Development

Project Management

Rapport Building

Teamwork

Time Management

SCIENTIFIC RESEARCH EXPERIENCE

2019 – 2020 University of Windsor, Canada.

Scientific Researcher and Research Assistant. Habitat suitability and fisheries restoration modelling project for an endangered fish species in Lake Ontario:

- ❖ Analysis of aquatic habitat data (physical, chemical and biological) for eastern Lake Ontario since 2005 to inform bloater chub (*Coregonus hoyi*) behaviour and movement, and ultimately inform species restoration planning.
- ❖ Understanding drivers of behaviour and distribution, with a focus on reintroduction potential for endangered native fishes.

Learn more [here](#).

2018 – 2019 Ontario Ministry of Natural Resources and Forestry, Toronto, Canada.

Science Analyst. Aquatic invasive species vulnerability project on the Great Lakes:

- ❖ Identifying factors that may limit the distribution and habitat suitability of potentially invasive plants to Ontario and the Great Lakes region.

2017 – 2018 **Data analyses, writing and reviewing research papers.**

2013 – 2016 School of Veterinary and Life Sciences, Murdoch University, Australia.

- ❖ **PhD Researcher.** Exploration of the relationship between somatic and otolith growth, and development of a proportionality-based back-calculation approach based on traditional growth equations.
- ❖ **Field and Laboratory Research Assistant.** Biology of the Black Bream, *Acanthopagrus butcheri*, with particular reference to predicting the effect of environmental factors on growth and reproductive biology.
- ❖ **Laboratory Research Assistant.** WA fish species (n = 6) otoliths and Southern Calamari statoliths ageing.
- ❖ **Field Research Assistant.** Pilot study to implement a monitoring regime using fish-based estuarine health indices.

2012 – 2013 Victoria University Coastal Ecology Lab (VUCCEL), Victoria University of Wellington, New Zealand.

Field and Lab Research Assistant in temperate larval biology:

- ❖ Establishment of a long term and large scale larval fish experiment.
- ❖ NZ sea urchin rearing experiment and the impact of heavy metals (Cu, Zn & Fe) on larvae development.

2012 Marine Science Program, Department of Parks and Wildlife (DPaW), Australia.

- ❖ **M.Sc. Researcher.** Quantitative diet analysis of tropical reef fish.

2010 IFREMER, French Research Institute for Exploitation of the Sea, Cellule d'Analyse des Risques Chimiques (Arc) en milieu marin Dt "Biogéochimie et Ecotoxicologie", France.

- ❖ **Ecotoxicology Internship.** Resolving the differential sensitivity of marine and freshwater species to chemical substances.

2009 Océarium du Croisic, France. **Aquarium Internship.**

PROFESSIONAL SCIENCE OUTREACH & COMMUNICATIONS EXPERIENCE

2020 – Present Lumières Media Inc.

Co-Founder and Executive Director

Mission: Lumières Media Inc. is a boutique media production company dedicated

PROFESSIONAL CERTIFICATIONS

2016

Scuba Dive Master. PADI, Australia.

First Aid. St John Ambulance, Australia.

2015

Rescue Diver. PADI, Australia.

Advanced Open Water Diver. PADI, Australia.

2014

Oxygen diver. First Aid & Emergency Care - Provide Advanced Resuscitation Techniques. Royal Life Saving WA, Australia.

Murdoch University 4 wheel drive course. Australia.

2013

Restricted Coxswain and Skipper's Ticket. Perth Boat School, Australia.

First Aid. St John Ambulance, Australia.

Oxygen First Aid. Dan Asia – Pacific, New Zealand.

2006

Open Water Diver. Scuba Schools International, Sultanate of Oman.

2002 - 2004

Galops 1, 2 & 3. Diplômes de cavalier, Fédération Française d'Equitation - FFE (French governing body for equestrian sport), France.

PROGRAMS & SOFTWARE

(in alphabetical order)

Adobe Illustrator CS5

Adobe Premiere Pro CC

Audacity

CPCe

DaVinci Resolve 16

DNR Garmin

to crafting compelling science content to educate and inspire a wide audience through engaging storytelling. We also provide training for scientists and other professionals to become better communicators, thinkers and leaders around the world, and fund research and conservation projects to push the limits of humanity's scientific and technological progress.

2018 - Present

[Speak On Your Feet](#)

Co-Creator, Teacher and Public Speaking Mentor.

Mission: Coaching professionals to become engaging communicators and mastering the art of effective communication and interpersonal skills through applied improvisation.

What we teach:

- *Public Speaking & Interview skills*, including thinking on your feet, quick decision making, thinking outside the box and confidence building.
- *Conversation skills*, including active listening, developing meaningful discourse, creating and sustaining rapport.
- *Collaboration & Team Building skills*, including cooperation, building trust, active listening and building on other people's ideas.

Partnerships: startGBC at George Brown College (since 2018), Science Discovery Zone, Lotus STEMM, WoodGreen Community Services.

Owned and provided by Lumières Media Inc.

2016 - Present

[Lumières](#)

Creator, Co-Producer, Podcast Host, Project Manager, Event Planner, Script Writer and Audio Editor.

Mission: Science communication; podcast dedicated to making knowledge more accessible through candid conversations with experts worldwide; sharing the passion, big ideas, true stories and wisdom of professionals worldwide learnt through the successes and failures of people who are making a difference; inspiring the next generation of thinkers; and provide career tips and advice for young professionals.

Guest speakers: Our friends and guests include scientists, engineers, doctors, explorers, educators, entrepreneurs and beyond.

Owned and provided by Lumières Media Inc.

LEADERSHIP, MENTORSHIP, TEACHING & VOLUNTEERING EXPERIENCE

2020

Storytelling Masterclass 101, 4-week online masterclass. **Teacher, Workshop Facilitator and Public Speaking Mentor.**

How To Engage Your Students Online? with Lotus STEMM, online workshop. **Guest Speaker and Workshop Facilitator.**

Drop-in Saturdays, online workshops. **Teacher, Workshop Facilitator and Public Speaking Mentor.**

"Podagogy": The Power Of Podcasting As A Tool For Science Communication, SciCommTO Conference 2020 with SciCommTO at Science Discovery Zone (SDZ), Ryerson University (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

Public Speaking & Networking Empowerment Workshop with Science Discovery Zone (SDZ), Ryerson University (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

4x Masterclasses: Network! The Art of Conversation/The Art of Storytelling/Master the Interview Game/Unlock Public Speaking Confidence, located at start GBC, George Brown College (Toronto, Canada). **Teacher, Workshop Facilitator and Public Speaking Mentor.**

2019

Personal & Professional Development Program, 2-day intensive applied improvisation workshop, located at start GBC, George Brown College (Toronto, Canada). **Teacher, Workshop Facilitator and Public Speaking Mentor.**

GeoSetter

Leica (LAS V3.8)

Microsoft Excel, PowerPoint & Word

Photoshop CS6

QGIS

RStudio (including Template Model Builder, R package)

Basics in

ADMB (C++)

ArcGIS

ImageJ

Image-Pro Plus

Primer

Q Capture Pro 6.0

SPSS

GRANTS, AWARDS & FELLOWSHIPS

2016

General research program application and indemnity form. Monitoring the cyanobacteria *Lyngbya majuscula* during summer blooms at Parker Point Bay, Rottneest Island. Rottneest Island Authority.

2014

Postgraduate Research Student Conference Travel Award. Murdoch University.

2013

Murdoch University Strategic Scholarship. Murdoch University.

PROFESSIONAL MEMBERSHIPS

Since 2016

Toastmasters Victoria Quay

Since 2013

West Australian Divers for Diversity Inc. (WADDI, web and graphics designer, scientific diver, project leader, membership liaison)

Australian Marine Science Association (AMSA) (Murdoch student representative, 2014-2016)

Social Action/Lobbying Communication Workshop with Don Heights Unitarian Congregation (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

Science Rendezvous Volunteer Training with SciXchange, Ryerson University (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

Public Relation Communication Workshop with Seneca College (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

2018

Solstice/Humanlight annual party with Café Scientifique Mississauga and Halton-Peel Humanist Community (Mississauga, Canada). **Guest Speaker and Workshop Facilitator.**

Corporate Networking Event with Young Professional Committee (YPC) Toronto - a sub-committee of the Canadian Venture Capital & Private Equity Association (CVCA) at KPMG (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

2018 - Present

start GBC, George Brown College (Toronto, Canada). **Guest Speaker and Workshop Facilitator.**

- ❖ Global Entrepreneurship Week.
- ❖ Entrepreneurial Discovery Summer Camp.
- ❖ Entrepreneur Empowerment Masterclass.
- ❖ Women Entrepreneurship Day workshop.

WoodGreen Community Services (Toronto, Canada).

Career Coach and Guest Teacher.

- ❖ Career coaching seminars - seasonal volunteering: teaching the art and science of communication and public speaking with confidence, practicing skills that are essential in professional/social networking, job interview and impromptu speech.
- ❖ Intermediate+ (Plus) French class, French language program – A Taste of French Canada.

2014 - 2017

West Australian Divers for Diversity Inc., Citizen Science.

Co-Founder, Project Leader and Manager, Scientific Diver, Committee Member, Membership Liaison Officer, Web and Graphics Designer, Grant and Research Permits Applications, and Instigator of the Collaborations with the Department of Parks and Wildlife (DPaW) and the University of Western Australia (UWA).

- ❖ *Lyngbya majuscula* project: monitoring the cyanobacteria *Lyngbya majuscula* during summer blooms at Parker Point Bay, Rottneest Island.
- ❖ Seasonal dive surveys for monitoring seagrass communities (Rottneest Island, WA).

2013 - 2016

Reef Life Survey Foundation, Citizen Science.

Scientific Diver and Dive Boat Skipper.

- ❖ Ningaloo reef, Rottneest Island and Marmion Marine Park surveys in collaboration with DPaW, and all year round dive surveys for monitoring rocky and coral reef ecological communities (WA).

2014 - 2015

Australian Marine Science Association.

Murdoch University Student Representative.

- ❖ Program manager and coordinator for the 11th and 12th Annual Marine Science Student Workshop held at Rottneest Island (WA).

Edith Cowan University, WA.

Field Assistant and Scientific Diver.

- ❖ Impact of dredging activities on filter feeders assemblages in North Western Australia, Research Project.

2016

University of Western Australia.

Field Assistant. Workshop and seagrass fieldwork on Rottneest Island:

Australian Society for Fish Biology (**ASFB**)

Reef Life Survey (**RLS**, life member, scientific diver)

WA Fish Foundation (**WAFF**)

ACTIVITIES

Improvisational Comedy

Scuba Diving and Snorkelling

Archery and Horse Riding

Yoga and Art

REFEREES

Dr Timothy B. Johnson
(current supervisor)

Senior Great Lakes Scientist

Aquatic Research & Monitoring Section
Ontario Ministry of Natural Resources & Forestry
Canada

tim.johnson@ontario.ca
(613) 922-300

Neal Lillioth

Manager at startGBC

George Brown College
Toronto, Canada

neal.lillioth@georgebrown.ca

Teresa Tao

Group Activities Coordinator

Community Connections
WoodGreen Community Services
Toronto, Canada

ttao@woodgreen.org

Prof. Norm Hall

Principal Research Scientist

Stock Assessment & Data Analysis
Department of Fisheries Western Australia
Government of Western Australia
Norman.Hall@fish.wa.gov.au

Prof. Ian Potter

Research Professor

Centre for Fish & Fisheries Research
Murdoch University
Western Australia

- ❖ *Lyngbia majuscula* project (as WADDI representative). Training coordinated by Dr. Marion Cambridge (UWA).
- ❖ Predation on *Posidonia australis* seeds in seagrass habitats of Rottnest Island. Project led at Parker Point bay by visiting Prof. Robert Orth from Virginia Institute of Marine Science and Prof. Gary Kendrick (UWA).

2015 Murdoch University, WA.
Field Assistant.

- ❖ Shifts in benthic macroinvertebrate assemblages in the Swan-Canning estuary in relation to changing hydrological and biogeochemical conditions, Research Project.

2013 Murdoch University, WA.
Field and Laboratory Assistant.

- ❖ Reproductive cycle, maturation and spawning locations of the Southern Calamari (*Sepioteuthis australis*), Research Project.
- ❖ Monitoring and evaluating the restocking of the Western School Prawn (*Metapenaeus dalli* Racek) and the Western King Prawn (*Melicertus latisulcatus*) in the Swan-Canning Estuary, Research Project.
- ❖ Sex-specific differences in home range size of Bottlenose Dolphins (*Tursiops aduncus*) in a complex coastal environment, Research Project.

Rottnest Society, WA. **Volunteer.** Tree planting on Rottnest Island.

PROFESSIONAL SPEAKING ENGAGEMENTS

2020 **Lumières' Virtual Encounters, webinar series.**
Bioacoustics - Voices of the Ocean.

Pint of Science Canada 2020 online.

A L'Écoute Des Poissons - A la Recherche des Motifs Cachés de la Nature: une Aventure Aquatique.

SciCommTO Conference 2020 (Toronto, Canada).

"Podagogy": The Power Of Podcasting As A Tool For Science Communication.

2019 **WoodGreen Community Connections program (Toronto, Canada).**
In conversation with... - televised webinar series with New Horizons Media.
Networking Ninjas - In Conversation with...Newcomer Leaders.

2018 **WoodGreen Community Connections program (Toronto, Canada).**
Fireside Career Chat - panel workshop.

WoodGreen Community Connections program (Toronto, Canada).

In conversation with... - webinar series.

The art of conducting informational interviews: learning the Dos and Don'ts of information interview etiquettes.

2017 **Marine Science Program, Department of Parks and Wildlife (WA).**
Exploration of the relationship between somatic and otolith growth, and development of a proportionality-based back-calculation approach based on traditional growth equations.

2014 **5th International Otolith Symposium (Mallorca, Spain).**
The patterns of age independent variability between fish length and otolith size among five species of fish.

11th Annual Marine Science Student Workshop, AMSA (Rottnest Island, WA).

Influence of environmental variables on growth and reproductive biology of Black Bream, *Acanthopagrus butcheri*.

2013 **10th Annual Marine Science Student Workshop, AMSA (Rottnest Island, WA).**
The effect of environmental variability on the growth of Black Bream, *Acanthopagrus butcheri*.

Seminar, Murdoch University (WA).

I.Potter@murdoch.edu.au

Dr Peter Coulson

Research Scientist

Centre for Fish & Fisheries
Research
Murdoch University
Western Australia

P.Coulson@murdoch.edu.au

Dr James Tweedley

Senior Lecturer

Centre for Fish & Fisheries
Research
Murdoch University
Western Australia

J.Tweedley@murdoch.edu.au

Prof. Jeff Shima

*Research Professor of
Ecology*

Victoria University Coastal
Ecology Lab (VUCEL)
School of Biological Sciences
Victoria University of Wellington
New Zealand

Jeffrey.Shima@vuw.ac.nz

Dr Shaun K. Wilson

Principal Research Scientist

Marine Science Program
Department of Parks & Wildlife
(DPaW - formerly known as the
Department of Environment &
Conservation)
Western Australia

Shaun.Wilson@dpaw.wa.gov.
au

Influence of environmental variables on the growth and reproductive biology of Black Bream, *Acanthopagrus butcheri*.

- 2012** **Seminar, Université d'Aix-Marseille – Institut Pythéas (France).**
Quantitative diet analysis of four meso-predators from Ningaloo reef.

PROFESSIONAL DEVELOPMENT CONFERENCES & WORKSHOPS

- 2018** **Dale Carnegie Center of Excellence, Toronto (Canada).** *Workshops.*
- ❖ Sales Training: Winning with Relationship Selling, live online introductory meeting.
 - ❖ Communicate with Different Personality Styles, workshop.
 - ❖ Transforming Attitudes and Actions: How Senior Leaders Create Successful Workplace Culture, workshop.
- 2017** **Communicate to Inspire Conference 2017**, Science communication (Scitech, WA).
- InSPIRE 2017 Conference**, Science communication (Inter-University School, WA).
- 2015** **Thinkwell workshop: HDR Completion Symposium**, by Hugh Kearns (Murdoch University, WA).
- Introduction to Linear Mixed Effects models, GLMM and MCMC with R - Highland Statistics Ltd.** (University of Western Australia, WA).
- 12th Annual Marine Science Student Workshop**, AMSA (Rottnest Island, WA).
- 2014** **5th International Otolith Symposium and Otolith shape analysis workshop** (Spain).
- Thinkwell workshop**, by Maria Gardiner (Murdoch University, WA).
- Data exploration, linear regression, GLM and GAM with R - Highland Statistics Ltd.** (Murdoch University, WA).
- 11th Annual Marine Science Student Workshop**, AMSA (Rottnest Island, WA).
- 2013** **10th Annual Marine Science Student Workshop**, AMSA (Rottnest Island, WA).

ADDITIONAL TRAINING & EXPERIENCES

Aims: personal and professional growth, becoming an engaging public speaker, and developing leadership and scientific skills.

- 2020** **SEE, Season 2, Episodes 2 & 8, Eye On The Ball 2 Productions Inc. (Toronto, Canada).** *Background actress and sensory training.*
- 2018** **IT (LARGO), Third Act Productions Inc. (Toronto, Canada).** *Background actress.*
- The Boys, Episode 1, Idaho Production Ltd (Toronto, Canada).** *Background actress.*
- The Assembly (Toronto, Canada).** *Improv performer and student.*
- ❖ Improv Level 101.
- 2017** **The Second City (Toronto, Canada).** *Student.*
- ❖ Improv Level A, Term 5.
- Long Form and Short Form Improvisational Comedy jams (Toronto, Canada).** *Improv performer and student.*
- ❖ Long form and short form performances and classes with Winprov (Toronto, Canada).
 - ❖ Long form performances with *Improv Conspiracy theatre* (Melbourne, Victoria, Australia).

Long Form Improvisational Comedy festival stage performances (Perth and Melbourne, Australia). *Freelance and Improv performer.*

- ❖ Melbourne International Comedy Festival (April) with *Only The Human company*.
- ❖ Fringe World Festival in Perth (January-February) with *Only The Human company*.
- ❖ Fringe World Festival in Perth (January-February) as a freelance improviser for the *Travelers and Traders in the Indian Ocean world* exhibition at the Western Australian Museum.

Long Form Improvisational Comedy classes and performances. *Improv performer and co-teacher.*

- ❖ Weekly performances as part of *McNaulty* (a detective series) and *Couples Therapy* (a duo with Raif Douthwaite), long form Armando etc. at the Comedy Underground in Northbridge and at the Comedy Factory in Fremantle, WA.
- ❖ Co-teaching long form Improv 101.

Short Form Improvisational Comedy classes. *Student.*

- ❖ Short form classes with the *Big HOO-HAA!* (The Drama Workshop, Murdoch University Campus, WA).

Intensive workshops and training in Canada and Western Australia. *Certification.*

- ❖ **One on one workshop for duos** with Rob Norman (The Second City Toronto, CA).
- ❖ **"I have the Power", improv FIT drop-in and one on one workshops** with Glenn Hall and Victoria Bang (Just Improvise, WA).
- ❖ **Improv workshop** with Libby Klysz (the Big HOO-HAA!, WA).
- ❖ **Scene painting** with Cameron Davis (WA).
- ❖ **Emotion and Object work** with Wyatt Nixon-Lloyd (WA).
- ❖ **Improvvised singing** with Amberly Cull (Impromptunes, WA).
- ❖ **Improv workshop** with Ben Russell (WA).
- ❖ **Organic scenes and Game** with Kate Coates (WA).
- ❖ **One on one workshops and Improv Alchemy podcast** with Manfred Yon (WA).

2016

Short Form Improvisational Comedy classes and performances. *Improv performer and graduate.*

- ❖ **Yes&** classes (now *Pendulum Improv*) with Catherine Seed in Fremantle, WA.
- ❖ Weekly performances at *Game on! The Improv Comedy Battle* at Fly by Night in Fremantle, WA.

Long Form Improvisational Comedy classes and performances. *Improv performer and graduate.*

- ❖ Improv Fundamentals (Level 1) and Improv Warriors (Level 2) (Only The Human company, WA).
- ❖ Weekly performances as part of *McNaulty* (a detective series) and *Couples Therapy* (a duo with Raif Douthwaite), long form Armando etc. at the Comedy Underground in Northbridge, WA.

Toastmasters International – Adult Education Institution.

- ❖ Training in communication, public speaking and leadership development (Toastmasters Victoria Quay, Fremantle, WA).

2014

Acting Classes In Perth – Adult Education Institution. *Certification.*

- ❖ 3-Hour Acting Class with Loren Johnson (The Drama Workshop, Murdoch University Campus, 90 South Street, Murdoch, WA).
- ❖ 2-Day Acting for Film and TV Workshop (Levels 1 and 2) with Loren Johnson (The Drama Workshop, Murdoch University Campus, WA).

Learning how to learn: powerful mental tools to help you master tough subjects. *Distinction*. Coursera (University of California, San Diego).

R programming. *Distinction*. Coursera (Johns Hopkins University).

2013 **Australian circumnavigation survey trip.** First mate and scientific diver aboard the *Reef Dragon* (December 2013, Reef Life Survey, WA).

2012 **Preparation of stable isotope samples for analyses ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$).** Université d'Aix-Marseille (France).
