

Christopher Brodie

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Education

Bangor University September 2014-2018

Undergraduate Masters in Zoology with Marine Zoology

Final year Dissertation title: Can Marine Protected Areas Improve the Sustainability of King Scallops (*Pecten maximus*) in Isle of Man Territorial Waters?

Module marks

3rd Year

BNS-3003 Freshwater Ecosystems 2- 81%

BSX-3145 Fish Physiology- 72%

BSX-3141 Bio Enterprise and Employability-

BSX-3160 Dissertation-

BSX-3150 Life in a Changing Climate-

OSX-3001 Marine Conservation and Exploitation-

2nd Year

Evolution & Genetics 2- 48%

BSX-2022 Vertebrate Biology- 62%

OSX-2002 Marine Physiology & Behaviour- 59%

BSX-2017 Invertebrates- 78%

BSX-2021 BioScience Skills- 58%

BSX-2025 Field Courses- 65%

1st Year

BSX-1005 Introduction to Microbiology- 67%

DXX-1100 Animal science- 50%

BNS-1002 Organismal Diversity- 55%

DNS-1003 Ecology & Evolution- 64%

BSX-1023 Parasites and Pathogens- 94%

BSP-1022 Biology Practicals- 68%

ONS-1001 Introductory Research Skills- 60%

BSX-1018 Tutorials Year One- 77%

Wilmslow High school, A levels 2014

Extended Project (B), Biology (D), Geography (C), Psychology (C), Critical thinking (C)

GCSEs 2012

9 GCSE A-B grades including Mathematics Grade A and English Grade B.

Work Experience

Research with the Institute of Marine Research, Bergen April 2017

Internship with Bangor University May 2017

Soon I will be working on an Internship program on a study on Scallop gonad size and mass based in the Irish sea. I will be going out on a research boat for 3 weeks with Professor Mike Kaiser and working in the lab on the samples collected.

Freelance website design (www.vizzible.me) 2015-

I Created and designed websites based in the UK, which increased website traffic and sales for the businesses through design, marketing and SEO management. I worked closely with customers to help expand their online influence and reached tight deadlines and progression meetings in time, which helped develop strong partnerships and nurture my management skills.

Bar work at The Menai and The Angels pub 2015-

I also delegate my time efficiently so I can also work in pubs during the evenings. I'm employed to confidently interact with customers and also manage the marketing of the pubs by doing surveys and reviews of competitors to help promote and increase business.

Anglesey Sea Zoo Volunteering February 2012

In addition, I also gained experience in an aquarium doing many tasks that developed my academic understanding of the different marine species of the UK and developed management skills when aiding in coordination of events.

Skills

My work experiences have helped hone in on team-based and an independent work culture. They all involved planning, organization, coordination, networking and management and professionalism e.g. In web design, ensuring that customer based targets were coordinated and managed efficiently within the restricted time frame and to a professional standard.

During my time in University I have also attained specific scientific skills;

I have lots of experience in line and transect sampling, in both terrestrial and freshwater environments as well as organism identification techniques. I have also demonstrated practical skills in carrying out pipette work and the polymerase chain reaction (PCR) based on molecular biology. On top of that I have extensive practical background in animal dissection and light microscope work.

I developed and advanced skills in using most computer software like the Microsoft packages and statistical analysis software (SPSS). I can also code

proficiently in HTML as well as some knowledge on how to code in; Java, rubyrail, python, c++ and c sharp.

Interests

I am part of the Zoological and Endeavour (Marine) society and avidly attend the extra lectures and talks they provide.

My dissertation is also based off scallop fisheries in marine protected areas and developing the best possible policies for conservation of their stocks.

In addition, I am an enthusiast in marine and freshwater fisheries in the UK, I have used tools such as MARXAN and Gis systems, I have extensive academic knowledge on how they are designed, policed and improved. Furthermore, I have a developed understanding of UK and International fishery legislation, for example the scallop fishing legislation (2010), the sea fishing order legislation (2008) and Technical conservation methods legislation (2016 ed).

References

Professor Gary Carvalho, Bangor University, School of Biological Sciences, Bangor LL57 2UW, g.r.carvalho@bangor.ac.uk

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