

Commercial Diver and Maritime Archaeologist

Profile

A recent graduate maritime archaeologist with experience in multi-lingual sites in 6 countries on land, intertidal, and underwater sites. Commercial SCUBA and SSA diver with experience on sites from 5M to 27 M of depth. A digital recording and analysis specialist, with personal interest in ship construction and ship reconstruction.

Education

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| MA Maritime Archaeology University of Southern Denmark | Sep 2013 - 2016 |
| Certificate in Traditional Wooden Boatbuilding Great Lakes Boat Building School | Sep 2012 - Jun 2013 |
| BA Archaeology and Anthropology (hons) University of Wales Trinity Saint David | Oct 2009 - Jul 2012 |
| First Class Andy Lawson Award in Archaeology | |

Certifications

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|---|---------------------|
| Diver First Aid University of Southern Denmark Commercial Diving Programme | Nov 2015 - Nov 2017 |
| basic 1 day first aid course covering basic injury, resuscitation, and diver first aid | |
| H30 Svenskt Yrkesdykarcertifikat Swedish Armed Forces | Apr 2015 - Present |
| 30 M inshore SSA Certificate of Diving Competency | |
| IDSA Level II: Surface Supplied Inshore Air Diver International Diving Schools Association | Dec 2015 - Present |
| This ticket also includes a commercial certification in Nitrox diving | |
| Commercial SCUBA 30 M Danish Maritime Authority | Dec 2013 - Present |
| Drivers License State of California | Nov 2013 - Nov 2023 |

Skills

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| Rhinoceros 3D With Termite, Simlab, and Orca 3D plug in | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | Advanced |
| QGIS | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Proficient |
| Adobe Suite Indesign, Illustrator | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Proficient |
| Microsoft suite Excel and Word | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | Advanced |
| Leica Total Station | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Proficient |
| FaroArm Digitiser and ScanArm | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | Advanced |
| Post Excavation analysis including drawing, photography, recording, cleaning, identifying | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> | Advanced |
| Report Writing | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | Advanced |
| Excavation and Survey experience on land sites, intertidal zones, and underwater sites | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | Advanced |
| 3D modelling 3ds Max, Maya, Autodesk 123D | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Beginner |
| Digital Dissemination Sketchfab | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Beginner |

Work History

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| Maritime Archaeologist Vlkings Ship Museum in Roskilde | Jun 2016 - Jul 2016 |
| Dive survey and excavation of the Danish Mesolithic Coastline in Storstrømmen, Southern Zealand. Diving was done with SSA and Interspiro equipment at 6 m. | |
| Faro Arm Operator, Post Excavation University of Southern Denmark | Dec 2015 - May 2016 |
| Post excavation documentation of the Monchgut Barrel Stave timbers and the Schaalmule Wreck timbers. I instructed students how to use Rhino, FaroArm recording methods, and Adobe Illustrator catalogue creation from digitally recording timbers. | |
| Maritime Archaeologist Viking Ship Museum in Roskilde | Aug 2015 - Aug 2015 |
| A survey of the Danish Mesolithic coastline in two locations in the Zealand area. Work was both on a boat, excavating bucket samples taken with a large excavator of the prehistoric coastline, and Commercial underwater excavation with SSA and Interspiro equipment. | |

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| <p>Tour Guide and Sailor Viking Ship Museum in Roskilde</p> <p> Opening of the "Vikings" exhibit in Berlin. Public tour guide of the ship.</p> | <p>Sep 2014 - Sep 2014</p> |
| <p>Maritime Archaeologist and Standby Diver University of Southern Denmark</p> <p> Algo Wreck 15th century. Stockholm Archipelago. 5 m max depth commercial diving with Interspiro equipment.</p> | <p>Aug 2014</p> |
| <p>Maritime Archaeologist Dutch Cultural Heritage Agency</p> <p> Survey of two Dutch VOC ship wrecks from the 17th century in a lake south of Rotterdam. Commercial dive site with Interspiro equipment breathing air and Nitrox 40. Depths between 18-27</p> | <p>Jul 2014</p> |
| <p>Faro Arm Operator, Post Excavation University of Southern Denmark</p> <p> Survey of two Dutch VOC ship wrecks from the 17th century in a lake south of Rotterdam. Commercial dive site with Interspiro equipment breathing air and Nitrox 40. Depths between 18-27</p> | <p>May 2014 - Jun 2014</p> |
| <p>Rescue/ Safety Diver Maritime Archaeology Commercial Dive School</p> <p> Standby diver for trainee Commercial divers.</p> | <p>Apr 2014</p> |
| <p>Surveyor University of Southern Denmark</p> <p> A total station survey with the plug in termite was used with Rhinoceros 3D to create a 3D set of lines used to create a lines plan and 3D construction plan of an early 20th century boat in the sea faring and fisheries museum in Esbjerg, Denmark.</p> | <p>Oct 2013 - Jan 2014</p> |
| <p>Archaeologist University of Southern Denmark</p> <p> 3 day emergency excavation and recording of a ship wreck from the River Elbe in Cuxhaven, Germany with the Schleswig-Holstein archaeological trust.</p> | <p>Sep 2013</p> |
| <p>Children Activities Viking Ship Museum in Roskilde</p> <p> I ran educational activities with children of all ages, in both Danish and English at different ports around Denmark. This was in association with the Havhingsten fra Glendalough Viking Longship, with the aim of educating children about the Viking Age.</p> | <p>Jul 2013</p> |
| <p>Archaeologist Durham University</p> <p> 4 weeks at Nevern Castle, a Norman / Welsh castle dating to the 10th Century.</p> | <p>Jul 2012</p> |
| <p>Archaeologist Durham University</p> <p> 3 weeks excavating the Archaeology of the Mabinogion project under Dr. Jemma Bezan.</p> | <p>May 2012</p> |

Head Editor Lampeter Campus
University of Wales Trinity Saint David

Jan 2011 - Jul 2012

| Worked as a found and editor for The Student Researcher: Journal of Undergraduate Research. Duties included liaising with departments and student authors, editing and reviewing all submissions, designing the layout of the journal, formatting all the submissions, dissemination and outreach for the journal, and liaising within the university, and working with the publishing company.

Student Ambassador
University of Wales Trinity Saint David

Jan 2011 - Jul 2012

| I acted as a tour guide for the university leading and organizing open days. I also worked through the archaeology, history, and anthropology department helping administrate large conferences, and student school days where I spoke about the archaeological process. This also included guiding students on archaeological excavation open days.

Intern
University of Wales Archaeological Services

Jan 2011 - Jul 2012

| Worked as a student intern where I helped keep order in the lab, clean and process incoming artefacts under the supervision of the lab technician Dr. Rod Bale. I assisted in archaeological fieldwork in intertidal conditions, I cleaned archaeological remains, animal and human bone identification from the Newport Medieval Ship, dendro sample cleaning and preparation, photographing archaeological artefacts, drawing artefacts, assisting in the packing and unpacking of excavations, and database creation.

Intern Boat Builder
Stiftelsen Nytt Oseberg Skip

Apr 2011 - Jun 2012

| 8 weeks over the time period working as a boat builder with traditional viking age tools to build a reconstruction of the Oseberg Ship.

Archaeologist
National Botanic Garden of Wales

Jul 2011

| 2 weeks excavating at a 16th manor house at the National Botanic Gardens.

Archaeologist
Durham University

Jul 2010

| 4 week excavation at Nevern Castle, a Norman/ Welsh castle from the 10th century.

Archaeologist
University of Wales Trinity Saint David

Jun 2010

| 4 week excavation at the Strata Florida Cistercian Abbey.

Research History

Graveney Boat Digital Re-examination

This work was done in partnership with the National Maritime Museum in Greenwich, London, and the University of Wales, Trinity Saint David. This project re-evaluated the Graveney boat find archive to test the accuracy and validity of the arguments presented in the 1970s. This resulted in an alternative reconstruction of the vessel.

Algo Wreck Survey Field school

Analyzed caulking samples taken from the wreck with the National Museum of Denmark, created a site formation for the wreck. I also compiled, digitised, and FaroArmed, timbers from the wreck and created a full 30 page timber catalogue with descriptions and measurement in Adobe illustrator.

Barland's Farm Romano Celtic Boat Project

Evaluated 3D digital capture methods and their use in theoretical nautical reconstruction by applying them to the Barlands Farm boat as a case study. Research was presented at national and international conferences

Publications

Ali, Selina (Forthcoming) Caulking Analysis of the Algo Wreck in Algo Wreck Fieldschool Report eds Maarleveld, T. and Thomsen, C.R. University of Southern Denmark, Odense.

Ali, Selina (Forthcoming) Timber Catalogue in Algo Wreck Fieldschool Report eds Maarleveld, T. and Thomsen, C.R. University of Southern Denmark, Odense.

Ali, Selina and Goodridge, Sarah (2012). Reflections: Working with The Student Researcher, an Undergraduate Research Journal. in The Student Researcher: Journal of Undergraduate Research. pgs vvii. Vol 2 Issue 1

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