

RÉSUMÉ AND CURRICULUM VITAE

PERSONAL DETAILS & QUALIFICATIONS

Name: Emma Clayton
Position: Design Engineer
Nationality: British
Education: MEng (Hons) Marine Technology with Small Craft Technology

EMPLOYMENT RECORD

2017 *INEOS Team UK*, Intern
2018-2019 *Argo Engineering Solutions Ltd*, Summer Placement
2020 - Present *Argo Engineering Solutions Ltd*, Design Engineer

RÉSUMÉ

I am currently a Design Engineer at Argo Engineering having recently graduated from Newcastle University. I have spent a few summers working to gain experience around the marine sector working on various projects with Argo Engineering and the design team with the INEOS America's cup team. This work developed and built on what I learnt at University. Throughout my degree, I completed modules covering a range of Naval Architecture disciplines including Structures, Naval Architecture, Hydrodynamics and Small Craft. As part of the small craft module I had to produce a concept sailing yacht design which included producing lines, general arrangement, stability assessment and weights calculations. In my final year I was involved in a group project which proposed and designed concept solutions for reducing port emissions. My main role in this project was producing a concept design for an all-electric tug.

EXPERIENCE

Northern Fisheries 9.5m RIB

Prior to starting at Argo, I was involved on this project with them as a consultant. Since starting I have continued working on this project, carrying out a structural assessment of the vessel using the ISO 12215 standards, particularly the new rules in Annex J regarding workboats.

RS Pulse 580 Electric RIB

At Argo I have also been involved in the lifting calculations for the RS Pulse. This involved multiple iterations of calculations as the lifting arrangement developed.

Hoverbarge Study

Whilst working with Argo in summer 2018 and 2019, I helped on two hoverbarge studies. The work included an assessment, from first principles, of hoverbarge on-cushion stability, roll period and dynamics. I also helped compile the final deliverable documents which gave me a great insight into these specialist craft.

Professional Development

Associate member of The Royal Institution of Naval Architects (AMRINA)

OUT OF WORK INTERESTS

My main interests out of work are sailing, running and cycling. I have grown up around boats and was a keen dinghy racer before University. I still like to get out racing dinghies when I can. I am a keen runner and enjoy taking part in events over a range of distances both on and off road. I also like to get out on my road bike whenever I can. Since I started running and cycling, I have also taken part in a selection of sprint and standard distance Duathlon events and sprint Triathlon events.
