

Henry Dawson

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in Henry Dawson

Profile

Third-year Naval Architecture student with hands-on experience in wooden boatbuilding, and a keen interest in classic boats. Looking for an internship to gain practical experience as a Naval Architect.

Education

Newcastle University *Sept 2023 – Present*
MEng - Naval Architecture

- Year 1 average: 80.2%, Year 2 average: 81.2%
- Awarded RA Batey Scholarship in 2024 for academic achievement.

Boat Building Academy - Lyme Regis *Aug 2022 – Jun 2023*
City & Guilds Level 3 Diploma in Boatbuilding (Advanced)

- Achieved a Merit grade in the Level 3 examinations.
- During my time at the BBA, I learnt both traditional and modern wooden boatbuilding techniques, joinery for yachts, ropework and rigging, lofting and technical drawing by hand.

Experience

Apprentice Boatbuilder *Lyme Regis, Dorset*
Boat Building Academy *Jan 2023 – Jun 2023*

- For the second half of my education at the BBA, we began the build of 6 wooden boats, as a cohort of 18, over the course of the 20 weeks, everyone had a share of experience on each vessel, each with a differing construction method. As a commissioner of 1 of the 6 boats, I had the role of managing the build. This included coming up with cutting and procurement lists, timetabling and management in addition to the experience of building the boats.
- From my time at the BBA I gained invaluable experience in boatbuilding, in project management and teamwork.

Projects

MATLAB - Wave energy spectrum analysis for irregular waves *Mar 2025*
Newcastle University

- As a coursework in 2025, I had the task of calculating the wave energy spectrum of an irregular wave, from recorded wave data.
- This included creating an algorithm that utilised Fourier analysis and numerical integration using Simpsons rules, to reproduce our recorded data as a function over time.

Personal website - henrydawson.com

- Please see the link above for my personal website, which features a few projects I have worked on relating to Naval Architecture

Skills and Proficiencies

Design software: AutoCAD, Rhinoceros, MaxSurf, Inventor

Programming and experimental skills: MATLAB, Python, ANSYS Workbench, OpenFOAM

Practical skills: Advanced woodwork proficiency, site safety, project management

Other skills: MS Office, L^AT_EX