





# ROBERT FRY


## DECKHAND


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 Antibes, France

 Full Driving Licence

 **Available Immediately**

 27 years old (1998-06-24)

British - UK Passport

Non-Smoker

No Tattoos

Quiet Sleeper

ENG1 (exp. 2027)



As an RYA Sailing Instructor with three years teaching experience, I can lead safe and fun dinghy sailing activities, and competently drive and dock powerboats. With a lifetime of sailing a 29ft Westerly Merlin on The Solent, supported by the Day Skipper and Yachtmaster Offshore Theory qualifications, I am a useful deckhand, proficient with line handling, anchoring, mooring, passage, and pilotage. In addition, I can support off-season maintenance, including antifouling, copper coating, fibreglass repairs, woodworking, and general upkeep.

I have a background in Software Engineering, developing navigation and combat management software for the Royal Navy, supported by a Master of Mathematics (MMath). I have been twice elected a director of the Emsworth Slipper Sailing Club Ltd. During my weekends, I competitively race my RS 700 skiff in Chichester Harbour.

I became determined to pursue a long-term maritime career when asked by Sussex University Sailing Club to be their sole skipper, chartering a 44ft Sun Odyssey 439 in Athens. I am seeking a deckhand role that will give hands-on industry experience, where I can achieve the Yachtmaster Offshore exam and a commercial certification.

## SKILLS

- |                     |                       |                  |                        |
|---------------------|-----------------------|------------------|------------------------|
| • Dinghy Instructor | • Anchoring & Mooring | • Painting       | • Fibreglass Repairs   |
| • Tender Driving    | • Passage & Pilotage  | • Antifouling    | • Cleaning & Polishing |
| • Line Handling     | • Woodworking         | • Copper Coating | • Tech Support         |

## QUALIFICATIONS

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| • STCW 2010 (exp. 2031)             | • RYA Dinghy Instructor (exp. 2029) |
| • STCW 2010 Security Awareness      | • RYA Powerboat Level 2             |
| • RYA Day Skipper (ICC) (exp. 2029) | • RYA First Aid (exp. 2027)         |
| • RYA Yachtmaster Offshore Theory   | • RYA Safeguarding Awareness        |
| • RYA VHF SRC                       | • BSAC Ocean Diver                  |
| • Highfield Level 2 Food Safety     | • Master of Mathematics (MMath)     |



## MARITIME EXPERIENCE

**Dinghy Instructor in Chichester Harbour**

Mar 2023 - Mar 2026

- Three years dedicating every weekend as a Dinghy Instructor for the Emsworth Slipper Sailing Club.
- Taught all ages and abilities, from novice up to RYA Stage 4 and racing, in conditions up to moderate F4.
- Took initiative with asset maintenance and proactive safety (e.g. foam boom padding, line replacement).

**Sailing in The Solent**

Ongoing

- Extensive experience sailing a 29ft Westerly Merlin in The Solent, logging 630NM and 8 night hours last year, including solo passages and inter-club racing.
- Practical experience with off-season maintenance, including electrical work, antifouling, copper coating, mast lifting, and spectator crowd control.

**Sole Charter Skipper**

Jun 2024

- Sole skipper for Sussex University Sailing Club, chartering a 44ft Sun Odyssey 439 in Athena, Greece.
- Responsible for daily yacht handling, guest safety, mooring, anchoring, passage, and pilotage.

## RS 700 Racing

Jan 2023 - Ongoing

- I repaired an RS 700 skiff to race condition, including fibreglass repairs, pop riveting, and line and block replacement. I now compete against the local sailing clubs in Chichester Harbour.

## Director of Emsworth Slipper Sailing Club

Jan 2024 - Mar 2026

- Twice voted as committee member and director of the Emsworth Slipper Sailing Club Ltd.
- Responsible for sailing sub-committee minute taking, and providing a point of contact for members.

## PROFESSIONAL SUMMARY

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### Software Engineer (C++, Rust) BAE Systems

Jan 2023 - Feb 2026  
Portsmouth, UK

- Developed real-time navigation and combat management systems for the Royal Navy, contributing to the £285m RECODE modernisation contract for both surface and subsurface platforms.
- Mentored a graduate engineer with no C++ background, ensuring project standards were met on time.
- Proposed and implemented efficient algorithms and data structures to meet requirements, including geospatial indexing and deterministic scheduling for scalable distributed Kubernetes-based systems.
- Applied Model-Based Software Engineering (UML and SysML under the NATO Architecture Framework v4).

### Software Engineer (C, C++) Raymarine

Aug 2019 - Aug 2020  
Fareham, UK

- Built the Yachtsense Digital Control System UI, increasing my knowledge of maritime electronic equipment.
- Developed SeaTalk (NMEA 2k) message handling between onboard electronic devices.

### Computer Repair Technician Emsworth Computer Company (emscom.co.uk)

Jun 2016 - Sep 2018  
Emsworth, UK

- Developed robust techniques for Windows system maintenance, including virus removal, system speedup.
- Performed hardware repairs on Apple devices, desktops, and laptop computers.
- Provided friendly advice when advising customers, often needing a tailored description of faults.

## EDUCATION

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### Master of Mathematics (MMath, Distinction) University of Portsmouth

Sep 2016 - Jul 2022  
Portsmouth, UK

**Masters' Thesis** (<https://cloud.robertfry.xyz/s/Thesis2022>)

A CATEGORICAL INTERPRETATION OF KLEINBERG'S IMPOSSIBILITY THEOREM FOR CLUSTERING

## HOBBIES

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- Racing my RS 700 on weekends in Chichester Harbour.
- Watching SailGP, after seeing it live in Portsmouth 2025.
- Walking and exploring local historical sites, having visited almost every National Heritage site in Hampshire.
- Cooking at home, especially over Christmas when I cook dinner for family.

## REFEREES

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