

Yaolin Ge

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To Whom It May Concern:

This is Yaolin GE, a final year master student from the major of Maritime Engineering at KTH Royal Institute of Technology, currently applying for the Lighthouse Trainee program. I would like to explain as follows my motivation for my application, and my advantages among the potential candidates for your consideration.

Thanks to the swift progress of my bachelor's degree, it is glaring that studying and working within shipping industry are endeavors I would like to engage in even more. During my undergraduate study at Jiangsu University of Science and Technology in China, I pushed myself hard to explore as much as I can, that dedication brought me a national scholarship and an opportunity to take an exchange study in the UK. That exchange study program at University of Strathclyde, which I consider did bring great advantages to me from the perspectives of both practical and personal improvements. In addition, the study atmosphere there which greatly encouraged collaboration and innovative ideas had brought me more confidence in my success in a higher level of study and work abroad.

As a result of the strong interest in exploring at a higher level, I urged myself to learn more under an advanced study environment, for which I then pursued my master's study within Marine Technology at NTNU. The interdisciplinary study and research environment rewarded me a lot in terms of practical skills and personal growth. I did follow my passion to polish my understanding in the field of marine engineering. Namely, I enhanced my numerical analysis skills through several course-related projects such as designing local structures such as a cruise balcony; analysing the dynamic response of a slender riser using different techniques; performing FEA analysis for jacket structures and designing a propeller, etc. Thankfully, those experiences enhanced my ability to a deeper level to utilize engineering methods to solve practical problems. I feel much more confident about my practical skills thanks to the experience gained at NTNU.

At present, I am doing my master's degree project within the marine autonomous system at KTH. I led a group of people work out the steering system in the design project for the 2nd generation Maribot Vane which is an autonomous sailing boat developed at KTH. Worthmentioning, I forced myself to learn Swedish during my spare time and the conversational language skills might be beneficial to the applied position.

With this wide range of experiences, I have gradually developed a liking taste in the maritime industry. I develop motivation from the level of responsibility and independence required of a graduate student and relish the opportunity to prove myself at this level. My practical and coursework so far have been quite interdisciplinary, spanning the border of naval architecture to marine engineering, and the potential to continue this sort of practical skill gaining is what first attracted me to pursue the Lighthouse Trainee program, pursuing the Lighthouse Trainee with the program's diversity of field in versatile systems and its strong reputation, will allow me to learn from people at the top of this exciting field. The Lighthouse Trainee program will enable me to pursue my practical interests to a much greater depth while also expanding my future career opportunities. It is also worth mentioning that joining a community of other like-minded individuals will be a valuable chance for collaboration and personal development. I believe that I am a highly motivated student and also a well-qualified applicant.

To sum up, I expect to contribute to industry and society with my professional knowledge and practical skills obtained from the Lighthouse Trainee program. With full confidence in me as well as the professional training you provide in the program, I believe that my plan will be realized any time soon. Thank you very much for your time and consideration.

Applicant: *Yaolin Ge*