

Yaolin Ge

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“Ocean Dreams” Graduate International Summer School at SJTU

This is Yaolin GE, a final year master student from the major of Ocean Engineering at NTNU-KTH, expected to graduate by Jun 2020, a creative and enthusiastic explorer who really enjoys making a difference in the marine field as that SJTU does. My background so far has been quite interdisciplinary, spanning the border of classical marine engineering to underwater robotics, and the potential to continue this sort of eye-opening training is what first attracted me to pursue this graduate international summer program at SJTU, pursuing this program with its field in ocean and marine systems, will allow me to learn from professors at the top of this exciting field. This eye-opening training program will enable me to pursue my research interests to a much greater depth while also expanding my future career opportunities within the maritime industry. 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.

Ocean is playing an increasingly important role in our societies nowadays and it will play a crucial role in the future world too. The summer school program attracts me to engage even more via learning advanced technologies to enhance the current marine industries for the future discovery of our ocean.

As a result of the strong interest in exploring our ocean, I urged myself to learn more under an advanced study environment, for which I then pursued my dual-degree master's study within Marine Technology at NTNU-KTH. The interdisciplinary study and research environment rewarded me a lot in terms of practical skills and personal growth. I was honourably invited to inspect a virgin wreck site using underwater robotics to conduct the seabed mapping of the Skøgen wreck site located in northern part of Norway and also to collect acoustic images of the M/S Helma to support further researches of confirming the identity of that wreck. Apart from the formal curricular education, I did also push myself forward to gain some fruitful deep learning skills using powerful MOOC-platforms such as Coursera and IEEE CEU. 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 skillset and mindset. At present, I am conducting my master's degree project on the signal processing part of the underwater navigation system for the range-doppler estimation objectives.

With this wide range of experiences, I have gradually developed a liking taste in the marine field. 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.

To conclude, I expect to contribute to the practical researches with my professional knowledge and practical skills obtained from this summer program at SJTU. 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

Sincerely,

Yaolin Ge