

Yaolin Ge

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Eloïse Croonenborghs
SINTEF Ocean

Summerjob in “CFD modelling of a ducted propeller”

This is Yaolin GE, a final year master student from the major of Maritime Engineering at NTNU-KTH, expected to graduate by Jun 2020, a creative and enthusiastic mariner who really enjoys making a difference in the marine field as SINTEF does, making technology for a better society. My background so far has been quite interdisciplinary, spanning the border of classical naval architecture to marine engineering, and the potential to continue this sort of inspiring exploration is what first attracted me to pursue this summer internship position, with its diversity in computational fluid dynamics, will allow me to learn from people at the top of this exciting field. This eye-opening experience will enable me to pursue my research interests to a much greater depth while also expanding my future career opportunities within the hydrodynamic field. 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 and diligent student and also a well-qualified applicant.

Computational fluid dynamics is playing an important role in the maritime industry. SINTEF Ocean attracts me to engage even more via learning and using advanced technologies to enhance the ability to discover the potential of CFD.

As a result of the strong interest in exploring hydrodynamics, 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. 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.

With this wide range of experiences, I have gradually developed a liking taste in the CFD 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 sum up, I expect to contribute to the practical research with my professional knowledge and skills obtained from this summer internship 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*