

# Yaolin GE

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Specialization: Marine Technology

Dear Sir/Madam,

I am writing to express my strong interest in the area of Technical engineering at DNV GL Offices in Norway. As a fourth year Master's student currently studying Marine Technology at NTNU, I would greatly appreciate the opportunity to join the summer job at DNV GL.

I have gained proficiency in the area of Finite element analysis for marine structure, Design methods, Simulation-based design, Advanced analysis of marine structures during the first semester of my Master's study, and I have four courses ongoing which are Electrical propulsion system, Underwater engineering, Naval hydrodynamics, Hydrodynamics of high-speed marine vehicles this semester. I have the following skills and qualifications as outlined in the job description:

- Experience developing codes based on Python and C++
- Proficiency in Matlab and familiarity in Maple and Simulink
- Good use of Inventor and CAD
- Knowledge in Acoustics and Cybernetics.
- Proficiency in ANSYS in APDL parametrical modeling and familiarity in ABAQUS.

During the current master's study, most projects and exercises were solved using Matlab scripts developed by myself. Courses related to underwater navigation and positioning required essential knowledge in acoustics and cybernetics. Finite element analysis for marine structures was conducted by using ANSYS and ABAQUS. I am a quick learner and self-motivated person who likes challenges and DNV GL is the topmost company which utilizes plenty of cutting-edge technologies to solve challenging problems in the marine field. I am looking forward to taking the challenge to enrich and devote myself.

My enclosed resume provides more details of my skills and achievement track record. I am excited by the chance to engage in collaborating with a great group of people at DNV GL.

Yours sincerely,



Yaolin GE