

Yaolin Ge

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PERSONAL INFORMATION

Date of Birth: October 20, 1996

Place of Birth: Shaanxi, China

Citizenship: Chinese

Gender: Male

EDUCATION

Aug. 2019 – Present	KTH Royal Institute of Technology, Stockholm, Sweden M.S. Maritime Engineering
Aug. 2018 – Jun. 2019	Norwegian University of Science and Technology, Trondheim, Norway G.P.A. 3.93/4.00 M.S. Marine Technology
Sept. 2017 – Jan. 2018	University of Strathclyde, Glasgow, United Kingdom G.P.A. 3.85/4.00 B.S. Naval Architecture & Ocean and Marine Engineering
Sept. 2014 – Jun. 2018	Jiangsu University of Science and Technology, Zhenjiang, China G.P.A. 3.89/4.00 B.S. Naval Architecture & Ocean Engineering

PROJECT EXPERIENCE

Jan. 2019 – Jun. 2019	Project on subsea pipeline design and installation hydrodynamic analysis TMR 4120 Underwater Technology, NTNU, Trondheim <ul style="list-style-type: none">Developed an initial design concept for the subsea pipeline and assessed the installation methods such as J-lay and S-layDesigned and analysed the hydrodynamic aspect of the subsea pipeline based on DNV-OS_F101 standardAnalysed the global buckling effect of the designed subsea pipeline Supervisor: Svein Sævik, Professor
Aug. 2018 – Dec. 2018	Project on dynamic & static analysis of marine structures TMR4305 Advanced Analysis of Marine Structures, NTNU, Trondheim <ul style="list-style-type: none">Developed the dynamic response model for a marine riser subjected to waves by use of mode superposition method in TD and FDApplied static condensation (concentrated mass) & master-slave (consistent mass) for reduction of number of degrees of freedoms and evaluated the riser performance using frequency response methodConducted ABAQUS analysis for an elastic-plastic jacket structure and a stiffened plate and studied the linear buckling analysis and nonlinear ultimate strength analysis Supervisor: Svein Sævik, Professor; Erin Bachynski, Associate Professor
Aug. 2017 – Jan. 2018	Project on the investigation of flow pattern on a circular cylinder NM402 Theory and Practice of Marine CFD, Univ. of Strathclyde, Glasgow <ul style="list-style-type: none">Studied common VIV principles and phenomenonReviewed analysis methods such as FV and FD for CFDSimulated the behaviour of the flow pattern for a rigid body circular cylinder under steady flow condition using Star-CCM+ Supervisor: Qing Xiao, Reader; Wendi Liu, Research Associate

PROFESSIONAL QUALIFICATIONS

Personal Skills:

Programming language with Python & MATLAB; FEA analysis using Abaqus & ANSYS APDL; Foil analysis using Xfoil; CFD analysis using Star-CCM+, ANSYS CFX; CAD modelling with Solidworks; Simulation with Simlink (Simevents); Seakeeping & Manoeuvring analysis using ShipX; Latex

Languages:

English (fluent)

Chinese (native)

AWARDS

2019	Intel® Edge AI Scholarship, Intel
2019	Best Popular Prize, AI + Art in Robot Dancing Competition, PKU
2017	Merit Student, MOE
2017	First Prize, Academic Competition in Mechanics Knowledge, JUST
2016 – 2017	National Scholarship, MOE
2016	Second Prize Scholarship, CSSC Huangpu Wenchong
2015	National Encouragement Scholarship, MOE
2015	Honourable Mention, Xuediao Structural Innovative Design Contest, JUST
2014	Honourable Mention, CMIH Simulation Model Design Contest, JUST
2014	First Prize, Diesel Engine Assembly & Disassembly Contest, SIYANG

PROFESSIONAL MEMBERSHIPS

The Royal Institute of Naval Architects (RINA)

Kongl. Skeppssällskapet

EXTRA-CURRICULAR

Jul. 2019 – Aug. 2019	Summer campus program in Deep Learning Peking University, Beijing, China <ul style="list-style-type: none">Studied the deep learning principles and applied openpose algorithmConducted the motion capture and mapped the 2D motion to 3D skeletonProgrammed Yanshee Robot to dance following human motions
Oct. 2014 – Jun. 2018	Team Leader Student Volunteer Association, Zhenjiang, China <ul style="list-style-type: none">Organised local and on-campus volunteering activities regularly
Mar. 2017 – Apr. 2017	Interpreter Intern IDP Education Ltd., Nanjing, China <ul style="list-style-type: none">Organised the introduction events for university's admission committee and expected applicantsInterpreted and assisted applicants with communications with admission committees' representatives

REFEREES:

Ivan Stenius Associate Professor	Dept. of Aeronautics and Vehicle Engineering, KTH stenius@kth.se +46 70 288 82 63
Kourosh Koushan Professor	Department of Marine Technology, NTNU kourosh.koushan@ntnu.no +47 41105297
ZHOU Hong Professor	Department of Naval Architecture and Ocean Engineering, JUST zjcyzh@163.com +86 1365 6136 398

INTERESTS

Sailing, running, bicycling, swimming, Taekwondo, cross-country skiing