

Yaolin Ge

Teknikringen 8, 11428, Stockholm, Sweden | +46 073 095 8626 | yaoling@stud.ntnu.no

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 (Adviser Prof. Kutteneuler) Thesis: Signal Processing of Underwater Beacons for AUVs
Aug. 2018 – Jun. 2019	Norwegian University of Science and Technology, Trondheim, Norway G.P.A. 3.93/4.00 M.S. Marine Technology (Co-adviser Prof. Ludvigsen)
Sept. 2017 – Jan. 2018	University of Strathclyde, Glasgow, United Kingdom G.P.A. 3.85/4.00 B.S. Naval Architecture & Marine, Ocean Engineering
Sept. 2014 – Jun. 2018	Jiangsu University of Science and Technology, Zhenjiang, China G.P.A. 3.81/4.00 B.S. Naval Architecture & Ocean Engineering

RESEARCH EXPERIENCE

Aug. 2019 – present	Research on the Signal Processing System for Underwater Beacons KTH & Swedish Maritime Robotics Centre (SMaRC), Stockholm, Sweden <ul style="list-style-type: none">Participated regular meetings with researchers who work on the next generation AUV – LoLoSet up hardware simulation testing environment (i.e. sonar equipment & other electronics) and conducted literature review on signal processingLearning to formulate upgraded models Supervisors: Jakob Kutteneuler, Professor; Martin Ludvigsen, Professor
Dec. 2017 – Jun. 2018	Research on VIV Analysis of Added Mass Effect on Slender Riser based on Smei-empirical Model Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China <ul style="list-style-type: none">Investigated the dynamic response due to VIV on slender risersFormulated a model with considering added mass effect based on the prevailing semi-empirical modelStudied the simulated response for different cases using AbaqusAssessed data using Origin & Excel Supervisor: Wang Kunpeng, Associate Professor
Apr. 2017 – Feb. 2018	Research on the Shipyard Material Management System based on the IoT Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China <ul style="list-style-type: none">Participated in literature review and field survey in local shipyardsTook main responsibility in preliminary and following tests on PDA, client program and network environmentUndergraduate Student Innovation Training Project Supervisor: Zhu Anqing, Senior Engineer

PROFESSIONAL QUALIFICATIONS

Personal Skills:

FEM analysis by ANSYS APDL, ANSYS Workbench, Abaqus; Programming language with C, C++, Python & MATLAB; CAD Modelling by AutoCAD, Solidworks; Microsoft Office; Latex; Adobe Photoshop & Illustrator; 3D FDM printing; XFoil; Origin; OpenCV; ROS

Languages:

English (fluent)

Chinese (native)

Norwegian (beginner)

AWARDS

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 - 2016	First Prize, Renmin Scholarship, MOE
2015	Honourable Mention, Xuediao Innovative Design Contest, JUST
2015	National Encouragement Scholarship, MOE
2015	Second Prize, Decelerator Assembly & Disassembly 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

Kongl. Skeppssällskapet

EXTRA-CURRICULAR

Jul. 2019 – Aug. 2019

Summer campus student

Peking University, Beijing, China

- Applied OpenPose algorithm to achieve the motion capture activities
- Programmed Yanshee Robot to dance following human motions
- Developed the motion mapping tool to convert 2D motions to 3D ones

Mar. 2017 – Apr. 2017

Interpreter Intern

IDP Education Ltd., Nanjing, China

- Organised the introduction events for university's admission committee and expected applicants
- Acted as an interpreter among applicants and admission committees
- Prepared and presented useful information for applicants

Oct. 2014 – Jun. 2018

Team Member

Student Volunteer Association, Zhenjiang, China

- Participated in local and on-campus volunteering activities regularly

REFEREES:

Martin Ludvigsen (Ph.D.)
Professor

Norwegian University of Science and Technology
martin.ludvigsen@ntnu.no

Kunpeng Wang
Associated Professor

Jiangsu University of Science and Technology
wangkunpeng@just.edu.cn

INTERESTS

Running, bicycling, swimming, fitness training, cross-country skiing