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 (Adviser Prof. Kuttenkeuler)** **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)** **Co-thesis: Signal Processing of Underwater Beacons for AUVs**
Sept. 2017 – Jan. 2018	**University of Strathclyde, Glasgow, United Kingdom** **G.P.A. 3.32/4.00** **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** **Degree Project: Dynamic Analysis of Added Mass Effect on Slender Riser based on Semi-empirical Model (Supervisor: Prof. Kunpeng Wang)**

RESEARCH EXPERIENCE

Apr. 2017 – Feb. 2018	**Research on the Shipyard Material Management System based on the IoT** Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China • Participated in literature review and field survey in local shipyards • Took main responsibility in preliminary and following tests on PDA, client program and network environment • Undergraduate Student Innovation Training Project Supervisor: Zhu Anqing, Senior Engineering
Jul. 2017 – Mar. 2018	**Investigation on the Current Situation of Scientific Researches at National Defence Specialised Majors Under the Circumstance of Civil-Military Integration** Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China • Participated in literature review and collected interview data from site surveys • Performed statistical analysis on data sets using Excel & Origin • Undergraduate Student Innovation Training Project Supervisor: Li Xuanhong, Lecture

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

PROFESSINOAL MEMBERSHIPS

The Royal Institute of Naval Architects
Kongl. Skeppssällskapet

EXTRA-CURRICULAR

Jul. 2019 – Aug. 2019 **Research Assistant**
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.) Norwegian University of Science and Technology
Professor martin.ludvigsen@ntnu.no

Mehdi Zadeh (Ph.D.) Norwegian University of Science and Technology
Associate Professor mehdi.zadeh@ntnu.no

Ivan Stenius (Ph.D.) KTH Royal Institute of Technology
Associate Professor stenius@kth.se

INTERESTS

KTH Formula Students (2019 – present)
KTH Hyperloop (2019 – present)
World Taekwondo Federation (2015 - present)
Running, bicycling, swimming, fitness training, cross-country skiing