

# 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	<b>KTH Royal Institute of Technology, Stockholm, Sweden</b> <b>M.S. Maritime Engineering (Adviser Prof. Kutteneuler)</b> <b>Thesis: Signal Processing of Underwater Beacons for AUVs</b>
Aug. 2018 – Jun. 2019	<b>Norwegian University of Science and Technology, Trondheim, Norway</b> <b>G.P.A. 3.93/4.00</b> <b>M.S. Marine Technology (Co-adviser Prof. Ludvigsen)</b> <b>Co-thesis: Signal Processing of Underwater Beacons for AUVs</b>
Sept. 2017 – Jan. 2018	<b>University of Strathclyde, Glasgow, United Kingdom</b> <b>G.P.A. 3.32/4.00</b> <b>B.S. Naval Architecture &amp; Marine, Ocean Engineering</b>
Sept. 2014 – Jun. 2018	<b>Jiangsu University of Science and Technology, Zhenjiang, China</b> <b>G.P.A. 3.81/4.00</b> <b>B.S. Naval Architecture &amp; Ocean Engineering</b> <b>Degree Project: Dynamic Analysis of Added Mass Effect on Slender Riser based on Semi-empirical Model (Supervisor: Prof. Kunpeng Wang)</b>

## RESEARCH EXPERIENCE

Apr. 2017 – Feb. 2018	<b>Research on the Shipyard Material Management System based on the IoT</b> Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China <ul style="list-style-type: none"><li>Participated in literature review and field survey in local shipyards</li><li>Took main responsibility in preliminary and following tests on PDA, client program and network environment</li><li>Undergraduate Student Innovation Training Project</li></ul> Supervisor: Zhu Anqing, Senior Engineering
Jul. 2017 – Mar. 2018	<b>Investigation on the Current Situation of Scientific Researches at National Defence Specialised Majors Under the Circumstance of Civil-Military Integration</b> Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China <ul style="list-style-type: none"><li>Participated in literature review and collected interview data from site surveys</li><li>Performed statistical analysis on data sets using Excel &amp; Origin</li><li>Undergraduate Student Innovation Training Project</li></ul> 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

**PROFESSIONAL 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:**

Kunpeng Wang

Associated Professor

Jiangsu University of Science and Technology

[wangkunpeng@just.edu.cn](mailto:wangkunpeng@just.edu.cn)

**INTERESTS**

KTH Formula Students (2019 – present)

KTH Hyperloop (2019 – present)

World Taekwondo Federation (2015 - present)

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