**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

* 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

Sept. 2016 – Mar. 2017 **Team Leader**

Radio Orienteering Association, Zhenjiang, China

* Led team members in regular training activities
* Took main responsibility of managing training schedules, communicating with the training instructors to maintain team training orders, dealt with emergency situations effectively
* Participated in Orienteering Championships

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](mailto:martin.ludvigsen@ntnu.no)

Mehdi Zadeh (Ph.D.) Norwegian University of Science and Technology

Associate Professor [mehdi.zadeh@ntnu.no](mailto:mehdi.zadeh@ntnu.no)

Ivan Stenius (Ph.D.) KTH Royal Institute of Technology

Associate Professor [stenius@kth.se](mailto: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