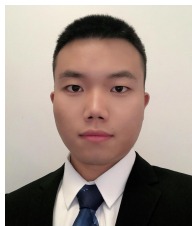


Curriculum vitae

PERSONAL INFORMATION

Yaolin GE



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✉ yaoling@stud.ntnu.no

Sex Male | Date of birth 20 Oct 1996

EDUCATION AND TRAINING

Aug 2019–Present

Master's degree in Maritime Engineering - Ongoing

KTH Royal Institute of Technology, Stockholm (Sweden)

- Thesis: Underwater beacon for rescue system
- Core courses: Small Craft Design, High-speed Craft, Underwater Technologies, etc.

Jul 2019–Aug 2019

Summer Campus of Computer Science - Outstanding

Peking University, Beijing (China)

Objective: Apply OpenCV frame to achieve motion-capture from human dancers and motion-mapping to robot dancers;

Methodology: seminars, lectures, and workshop practice;

Conclusion: Successfully achieved RobotDancing with the help of machine learning.

Aug 2018–Jun 2019

Master's degree in Marine Technology - A/A

Norges teknisk-naturvitenskapelige universitet (NTNU), Trondheim (Norway)

Major: Marine Technology

Core courses: Naval hydrodynamics, Underwater Technology, Hydrodynamics of high-speed craft, etc.

Sep 2017–Jan 2018

Bachelor's degree in Naval Architecture & Ocean Engineering - A/A

University of Strathclyde, Glasgow (United Kingdom)

Major: Naval Architecture , Marine & Ocean Engineering

Core courses: Ship Structural Dynamic analysis, Seakeeping and Manoeuvring, Theory and Practice of Marine CFD, Finite Element Analysis of Marine Structures, etc.

Sep 2014–Jun 2018

Bachelor's degree in Naval Architecture & Ocean Engineering - 3.8/4.0

Jiangsu University of Science and Technology, Zhenjiang (China)

Major: Naval Architecture & Ocean Engineering

Core courses: Mechanics of Materials, Theoretical Mechanics, Advanced Mathematics, Shipbuilding Material and Welding, Ship Fluid Mechanics, Structural Mechanics for Ships, etc.

RESEARCH EXPERIENCE

Apr 2017–Feb 2018

Research on the Shipyard Material Management System based on the IoT (Internet of things)

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

Apr 2017–Feb 2018

Investigation on the Current Situation of Scientific Researches at National Defense Specialized Majors Under the Circumstance of Civil-Military Integration (Take Jiangsu University of Science and Technology as an Example)
Naval Architecture & Ocean Engineering Laboratory, JUST, Zhenjiang, China

- Participated in literature review and data analysis
- Undergraduate Student Innovation Training Project

PERSONAL SKILLS

Communication skills

- Good communication skills gained through my experience in the extra-curricular activities
- Good teamwork skills through my research project experience
- Good executive ability through my experience in the national defence education trainings

Job-related skills

- FEM analysis: ANSYS APDL, ANSYS Workbench, ABAQUS
- Programming language: C, C++, Python
- Geometric Modelling: Autodesk CAD & Inventor, Solidworks
- Math tools: Matlab, Maple
- Engineering knowledge: CNC, 3D printing, Lamination, etc.
- CFD analysis: Star-CCM+

ADDITIONAL INFORMATION

Memberships

Member of the Royal Institution of Naval Architects

Honours and awards

- Best Popular Prize, Geek Competition in Robot Dancing, PKU, 07/2019
- First Prize, Academic Competition in Mechanics Knowledge, JUST, 04/2017
- Outstanding Trainee of National Defence Education Development Class, JUST, 03/2017
- Second-class Scholarship, CSSC Huangpu Wenchong, 11/2016
- Second-class Renmin Scholarship of Academic Year 2015-2016, 10/2016
- Outstanding Trainee of National Defence Education Development Class, JUST, 07/2016
- Honourable Mention, Xuediao Innovative Design Contest, 12/2015
- Second Prize, SIYANG Diesel Assembly & Disassembly Contest of Jiangsu Province, 11/2015
- National Encouragement Scholarship of Academic Year 2015-2016, 11/2015
- Second-class Remin Scholarship of Academic Year 2015-2016, 10/2015
- Second Prize, Decelerator Assembly & Disassembly Contest, 06/2015
- Best Popular Prize & First Prize, Micro Speech Contest of JUST, 04/2015
- Honourable Mention, CMIH Simulation Model Design Contest of High-Piled Wharf, 12/2014
- First Prize, SIYANG Diesel Assembly & Disassembly Contest of Jiangsu Province, 11/2014