

PERSONAL INFORMATION

Yaolin GE

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EDUCATION AND TRAINING

Aug 2019–Present

Master's degree in Maritime Engineering - 60ECTS

KTH Royal Institute of Technology, Stockholm (Sweden)

Applied Programming and Computer Science, Small Craft Design, Underwater Technology, etc.

Jul 2019–Aug 2019

Summer Campus of Computer Science

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 - 60ECTS

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

Underwater Technology, Naval hydrodynamics, Marine electric power and propulsion system, etc.

Sep 2017–Jan 2018

Bachelor's degree in Naval Architecture & Ocean Engineering

University of Strathclyde, Glasgow (United Kingdom)

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

Jiangsu University of Science and Technology, Zhenjiang (China)

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

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

- Programming language: C++, Python
- Computer science: machine learning, robot theory
- Office software: MS suite, Latex
- Graphing: Origin, Adobe Illustrator
- Geometric Modelling: Autodesk CAD & Inventor, Solidworks
- Math tools: Matlab, Maple
- Engineering knowledge: CNC, 3D printing, Lamination, etc.

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 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