

# Roya Rasa

## Curriculum Vitae

### PERSONAL INFORMATION

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Birth	Saturday, July 23, 1993
Address	Bandar Abbas city, Hormozgan
Phone	0917-653-1079
Mail	Roya.rasa72@yahoo.com

### EDUCATION

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Sharif University of Technology 2015-2017

*Master naval architecture and Marine Engineering / Structures*

- Overall G.P.A with Thesis: 17.25/20
- Overall G.P.A Without Thesis: 14.78/20
- Graduation Date: August 2017

Persian Gulf University 2011-2015

*BSc. naval architecture and Marine Engineering, Busher, Iran*

- Overall G.P.A: 17.78/20
- Graduation Date: August 2015

Najmīyeh Pre-university Center 2010-2011

*Pre-university Certificate, Bandar Abbas, Iran*

- Overall G.P.A: 18.16/20

Hormozgan University NODET\* High School 2007-2010

*High school Diploma in Mathematics and Physics, Bandar Abbas, Iran*

- Overall G.P.A: 19.19/20

\*NODET, National Organization for Development of Exceptional Talents, a special school for talented students, Iran

## **AWARDS AND HONORS**

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- Ranked 6th in National University Admission Exam, 2016
- Ranked 1th among more than 120 students of naval architecture and Marine Engineering department at Persian Gulf University, *2011-2015*
- Certificate of marine Standard Course, 2014
- Ranked 1st among High school and Pre-university students, 2007-2011

## **RESEARCH INTERESTS**

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Coding, Work with software, Designing, Research, planning & Management, Offshore, Coastal structures

## **WORKING EXPERIENCE**

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- Manager of bulk (bulk cargo) and commercial unit of pss shipping company (Parsian Sea Logistics Company), 2023 to 2024
- Manager of bulk (bulk cargo) and commercial unit of KOG shipping company (shipping company), winter 2022 to spring 2023
- Establishing a set of maritime transportation consulting, in the form of a brokerage, consulting in the field of bulk cargo and construction materials, management of shipping operations, coordination and correspondence with domestic and foreign agencies, in cooperation with colleagues of the shipping unit, since the summer of 1401.
- Supervisor of Shipping Unit Operations, Azin Trade and Masterexim Trading Company, 1401
- Legal technical expert of Iran in the maritime expert office and maritime arbitration chamber of the relative engineer (1st level judicial expert of Hormozgan province), autumn 2019 to spring 2011
- Technical and commercial consultant of the large holding Omran Sazeh and Kashigiri , summer 2016 to 2018
- Planning & control project Master, Persia Hormoz shipyard, September 20016.
- Engineering Master, Persia Hormoz shipyard, December 2016.

- Trainee in Bushehr PMO, summer 2013.
- Trainee in Nakhodaye Jazireh Shipbuilding, January 2015.
- Teaching physics for Admission exam in Ghalamchi, 2017.
- Collaboration in Rescue Ship Design Project for Malek Ashtar University, 2017-2018.
- Technical Consultant at Aram Shenavare Kayan Qeshm Company, 2017-2018.
- Master of Science in Marine Knowledge of Ferdows, Amir Kabir University of Bandar Abbas, Feb, 2018-Jul 2018.

## **Operational experience**

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- Representation of Hormozgan Cement Factory shipping and handling in Bandar Khmeir
- Commercial and shipping consultant of Hormozgan Cement Factory
- Brokerage of bulk carriers, general cargo, landing craft, tugs and barges, clean and dry tankers, LPG carriers, barges, RORO ships, container carriers, etc. in different tonnages
- Management of ship agency
- Marketing and commerce regarding the sale and introduction of products (cement, clinker, bitumen, masonry and slabs, oil residue, lime, sand, etc.)

## **PUBLICATIONS**

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### **Journal papers:**

- **Roya Rasa**, Hassan Saayadi, '*Dynamics modeling and control of mooring lines while cargo vessels loading* ', In Proc, Civilica Journal, February 2017

### **Conference papers:**

- **Roya Rasa**, Hassan Saayadi, '*Dynamics modeling of the MoorMaster unit and investigate the interaction between the moored ship and the MoorMaster* ', In orall Paper, 7<sup>th</sup> International Offshore Industries Conference, May 2017 – Tehran, Sharif University of Technology
- **Roya Rasa**, Hassan Saayadi, '*Dynamics modeling and control of mooring lines while cargo vessels loading* ', In Poster, of The 25th Annual International

Conference on Mechanical Engineering ISME2017, 2-4 May 2017, Tarbiat Modares university, Tehran, Iran

- **Roya Rasa**, Hassan Saayadi, '*Dynamics modeling and control of mooring lines while cargo vessels loading* ', In Poster, of The 18<sup>th</sup> Marine Industries Conference (MIC2016).
- **Roya Rasa**, Hassan Saayadi, '*Dynamics modeling of the MoorMaster unit and investigate the interaction between the moored ship and the MoorMaster*', In Proc, of 7th International Offshore Industries Conference May 2017 – Tehran, Sharif University of Technology
- **Roya Rasa**, Mohammad Amin Rasa, Presentation of the paper entitled "Evaluation of the MDF production plan for palm leaves and foliage in Hormozgan province", the first National Conference on Opportunities, Challenges and Solutions for Employment and Business Development with an emphasis on the Capacity of Hormozgan Province, May 2018.

## **RESEARCH EXPERIENCE**

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- Preparation the procedure & Guideline of works done in large shipyard, in English and Persian, Persia Hormoz shipyard, 2016.
- Ansys Analysis and calculation dimension of plates and girders in engine seat according to CCS and BV with Confirmation of China for Bayandor army vessel, Persia Hormoz shipyard, 2016.
- Control room design according to ISO9303 for Bayandor army vessel, Persia Hormoz shipyard, 2016.
- Engine seat foundation design for Bayandor army vessel, Persia Hormoz shipyard, 2016.
- Septic tanks & parking design and rails repair for yard, Persia Hormoz shipyard, 2016.
- Curve sheet & shell plate with asbuilt, Persia Hormoz shipyard, 2016.
- Writing workdone & planning the project & scheduling the project, Persia Hormoz shipyard, 2016.
- Teaching physics for Admission exam in Ghalamchi, 2017
- Collaboration in Rescue Ship Design Project for Malek Ashtar University, 2017-2018.
- Technical Consultant at Aram Shenavare Kayan Qeshm Company, 2017-2018.

## COURSE PROJECTS

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- Codification and Implementation Algorithm to Extraction wave period and wave domain according to Registered acceleration by wave Buoy  
*Under supervision of Prof. Seif, June 2016*
- Modeling of a degree of freedom mass-spring system by neural network  
*Under supervision of Prof. Saayadi, April 2016*
- control of a degree of freedom mass-spring system by neural network  
*Under supervision of Prof. Saayadi, April 2016*
- Principles of Hydrodynamic Modeling marine vehicles  
*Under supervision of Prof. Saayadi, June, 2016*
- Catamaran Vessel Structure design according to DNV, hsc  
*Under supervision of Dr. Kazemi,*
- Vessel Hydrostatic Analysis by Maxsurf software  
*Under supervision of Dr. Kohansal,*
- Research about interceptor and its use
- Research about wave energy and its use
- Research on Remotely Operated Vehicle, April 2014

## Workshop

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| • Auto mechanic workshop , Persian Gulf University  | 2014 |
| • Welding workshop , Persian Gulf University        | 2013 |
| • Foundry& Mould workshop , Persian Gulf University | 2014 |
| • Engine workshop , Persian Gulf University         | 2014 |

## SKILLS

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- Languages
  - { Persian: Native
  - { English: Fluent
  - { Arabic: Elementary
- Programming Languages

MATLAB, Python

- **Specialize Software**

MATLAB, ANSYS FLUENT, ANSYS ICEM CFD, AutoCAD, AutoCAD Mechanical, Delft ship, Maxsurf, Fluent & Gambit, Outlook, Delft ship, Rhino

- **Other Software**

Microsoft Office (Word, PowerPoint, Excel), Photoshop, Windows, Msp, Gantt chart

- **public Skill**

HTML, Editing, Engineering, Business Strategy, Strategy Planning, Maritime, Team Leadership, Project Management, Project planning, Operation Management,

- **Other Skill**

Finite Element Analysis, Random vibration, Project Control, Control Systems Design, Advance hydrodynamics, using CCS & KR & LR & GL & DNV, using IMO Rules, using Registry book, using Tables Stahl profiles

## **EXTRACURRICULAR ACTIVITIES**

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- Member of Marine Engineering Association of Iran,
- Member of Green future Association of Sharif University, Iran
- Member of Habitat for Humanity International
- Member of Roydar Student Association, Hormozgan, Iran

- **Hobbies**

Swimming, Mountain Climbing, travel & picnic, Driving, Cooking, Gardening, Charity & Holiday Charity, Draw, Study, Music