FELIPE FERRARI

CONTACT

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👤 http://shiptodata.com/

RELEVANT SKILLS

- Nauticus Hull
- Python
- Typescript
- PowerBI
- JavaScript
- SQL

COURSES CERTIFICATION

Machine Learning for Data Science and Analytics

ColumbiaX University
(Link)

Machine Learning with scikit-learn

Datacamp
(Link)

Introduction to Power BI

Datacamp
Data handling and visualization in Microsoft Power BI (Link)

PROFILE

I am a versatile professional skilled in both maritime science and data analysis. My focus is on applying data science and machine learning knowledge to improve structural engineering assessment. I'm also a contributor to the open library Vessel.js and contributor to Vessel.js for ShipLab.

WORK EXPERIENCE

Det Norske Veritas (DNV)
Engineer

2021 - Now

Responsible for applying data engineering and machine learning knowledge into the structural engineering context in projects related with digital twin, fatigue assessments and fail prediction under the industry-recognized services Nerves of Steel (Link).

Det Norske Veritas (DNV)
Summer Student

Summer 2021

Summer program extended from June until the end of October. Development of digital interfaces for the ship manuals generation inside the Veracity web platform, using primarily TypeScript/JavaScript language in the React.js framework

Norwegian University of Science and Technology (NTNU)
Part Time in Simulation Development

2019 - 2021

Collaborator of vessel.js library (Link) for marine operation purpose. The project involves heavy mathematical calculations models, such as the manoeuvrability (Link) with fuel consumption and 6DOF Hydrodynamic calculation with mooring analysis (Link). I was also responsible for contributing with the documentation of the library and its main tutorials (Link).

Shipyard BECONAL
Naval Architect

2017 - 2018

Responsible for medium size inland ship design, construction drawing detailing and supervising shipbuilding construction related to quality control.

Aveiro Ship Design
Naval architect

2016 - 2017

Technical responsible for inland small/middle size ship project; ship compliance to naval rules and stability calculation using the software maxsurf.

EDUCATION

Norwegian University of Science and Technology (NTNU) - Norway
Msc. Naval Architecture

2019 - NOW

Subjects focused on ship design and in digitization of ship industry such as machine learning for ship automation, virtual prototype design, and computer aided design.

Fisheries and Marine Institute of Memorial University of Newfoundland - Canada
Exchange student in Naval Architecture
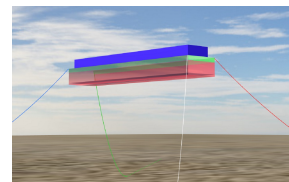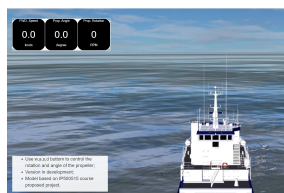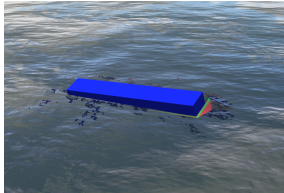
2014 - 2015

Exchange student funded by ELAP scholarship destined to emerging leaders from Latin America.

University of São Paulo
Bachelor in Naval and Ocean Engineering

2010 - 2015

PORTFOLIO

My personal portfolio showcases simulations and visualizations developed with my broad range of skills, including examples developed with my ShipLab teammates. Some examples are on the links bellow **(Click on the images bellow for accessing the projects)**:

For a wider example of my portfolio, please access my personal web site (https://shiptodata.com/)