



# FELIPE FERRARI

## PROFILE

Experienced professional in Web Simulations with a solid background in physics and mathematics from my engineering experience, currently involved in a project for implementing twin ship digitization of Gunnerus. My master thesis under implementation involves the data management of ship through the life cycle with the support of a web platform.

## CONTACT

- felipe.oliveira@ntnu.no
- /ferrari\_212
- /in/ferrari212/
- <http://shiptodata.com/>

## SKILLS

- JavaScript
- C#
- MongoDB
- MySQL
- Python
- D3.js
- Git
- MatLab
- Three.js
- React.js

## CERTIFICATIONS

### Machine Learning for Data Science and Analytics

**Columbia University X**  
([Link](#))

### Python for Financial Analysis and Algorithmic Trading

**Perian Data**  
Numpy, pandas, matplotlib, and finance ([Link](#))

## WORK EXPERIENCE

**Norwegian University of Science and Technology (NTNU)** 2019 - NOW

**Simulation developer (<http://vesseljs.org>)**

Collaborator of vessel.js library for marine operation purpose. Currently activity is creating the 3D models and standards to apply twin ship operation for Gunnerus vessel using vessel.js library ([Link](#)), the project also involves the creation of new physical modules, such as the manoeuvrability ([Link - preliminary version](#)). Implemented the 6DOF Hydrodynamic calculation and mooring analysis ([Link](#)) and a visualization application of Epoch for trapping carbon dioxide offshore. ([Link](#))

**Cheil Brasil**  
**Web developer** 2019

Maintenance and development of Samsung website in Latin America and Canada. Main activities consists of updating front-end web site using JavaScript and following the scheduled activists using JIRA agile platform.

**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 rule.

# LANGUAGES

English Fluent

Norwegian Inter,

Portuguese Native

# REFERENCE

**Henrique M. Gaspar**

Researcher Coordinator

+47 462 73 655

# EDUCATION

**Norwegian University of Science and Technology (NTNU) - Norway**

**Msc. Ship Design**

2019 - NOW

Subjects in naval area 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**

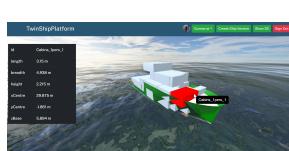
**Bachelor in Naval and Ocean Engineering**

2010 - 2015

Multidisciplinary course containing disciplines of the Mechanical Area and specific subjects of Naval and Oceanic Engineering, the course includes also contents on Logistics, Administration and Economics

# PORTFOLIO

My project portfolio contains several types of simulation and visualizations using mainly JavaScript language, however, I am also familiar with other languages such as C# and python. **Click on the images bellow for accessing the projects**



Felipe Ferrari - shiplabdata.com

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Ship Designer Master Student - Norwegian University of Science and Technology (NTNU)



Census Analysis of a Self-Driven Coastal Protection System

Ship Design and Simulation

Master Thesis - NTNU (Norwegian University of Science and Technology)

Supervisor: Prof. Dr.-Ing. habil. Jürgen Weller

Co-supervisor: Prof. Dr.-Ing. habil. Jürgen Weller

NTNU USP

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