

**MADEC Gwénaëlle**

21 Rue Jean Jaures  
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Born: 24-03-1990  
in Cherbourg (50)

Driving License, car

**MARIN AND COASTAL AREA ENGINEER**

Coastal engineering-Littoral planning

**SKILLS**

- o Coastal **structure** design and dimensioning
- o Control of modeling softwares :  
**Telemac-Mascaret** 2D and 3D, **MikeByDHI**, **FUDAA Vag**, **FUDAA Refonde**, **UNIBEST-CL+**
- o Managment of databases with **ArcGis** (SIG) and **MapInfo**
- o Basic programming **Scilab** and **Matlab**
- o Technical drawing with **AutoCAD**
- o Acquisition by **ADCP**, **CTD**
- o Topography (Tacheometer, level site)
- o Electric prospecting (survey, sismography refraction, electromagnetism)

**PROFESSIONAL EXPERIENCES**

- **2017:** Marin Engineer in internship (6 months) in Artelia Eau & Environnement, Echirolles (38) :  
Numerical modelling of coastline evolution in presence of coastal structures with UNIBEST-CL+ software– Test on Sainte-Marie-la-Mer (66).  
*(Study of capacity model on shematic and real cases;  
Calibration of the model; Analysis and report)*
- **2015 :** Coastal Engineer in internship (6 months) in Casagec Ingenierie, Anglet (64) :  
Set-up of a hydrodynamic model-3D (*Telemac-Mascaret*) to plan dredgings in Adour's estuary.  
*(Collection and acquisitions of bathymetry, flow and salinity databases;  
DTM establishment; Calibration of the model; Analysis and report)*
- **2014 :** Coastal Engineer in internship (4 months) in Teluk Lamong's Terminal, Surabaya (Indonesia) :  
Hydrodynamic and agitation studies (*Fudaa Refonde & Telemac-Mascaret-2D*) in the Teluk Lamong Bay to improve the port Terminal.  
*(Collection of bathymetry and flow databases; DTM establishment;  
Calculation; Telemac software training; Analysis and report)*

**EDUCATION**

- **2016-2017 : Specialized Master « Maritime and Port Engineering »**, ESITC of Caen (14)
- **2014-2015 :** Second year of **Master degree « Coastal Oceanography »**, Bordeaux's University (33)
- **2013-2014 :** First year of **Master degree « Engineering and Geosciences of Coast »**, Caen's University (14)
- **2009-2013 :** Degree of **Earth Sciences**, University of Rennes I (35)

**LANGUAGES**

**English** level TOEIC 660, B1-B2 (**7 months in Australia** (WHV in 2013) et **5 months in Indonesia** (Internship M1)), **Français** (mother language)

**STUDENTS JOBS**

- Youth worker, cleaning woman, dishwasher (4 months), waitress (5 months)
- Harvest, diverse agricultural labors (6 months in Australia)

**HOBBIES**

- Surfing, sailing, swimming, riding (Galop 4)
- Cooking, reading, cinema, theatre,...

**QUALITY**

- Organized, meticulous, handywoman, motivated
- Team working, people skills