



Education and Qualifications

2011-2012: Engineering student and master student. **Ecole Centrale de Nantes**, a highly selective French School of Engineering. Special program in hydrodynamics.

2009-2011: Engineering student, first and second year. **Ensem** (Ecole Nationale d'Electricité et de Mécanique), Nancy.

2007-2009: Student in **Classes Préparatoires**: a 2-year intensive course in mathematics, physics and chemistry, preparing for the national competitive entry examinations for French Schools of Engineering.

Experience

One year volunteering, sailing and learning languages in America, from Rio de Janeiro to San Francisco, CA 2016 (13 month)
Freelance translator from English, Spanish, Portuguese and Breton to French

Research engineer 2013-2015 (3 years)
LHEEA (*Laboratory of Hydrodynamics, Energetics, Atmospheric Environment*), ECN (*Ecole Centrale Nantes*)

- [ORCA](#) (Oceade tidal turbine): Turbine deployment & maintenance. Experimental tests and creation of a numerical model.
- [TROPOS](#) (Multi-use platform): Experimental tests and elaboration of and OrcaFlex numerical model. Deliverable leader.
- [NEPTUNE](#) (Zeppelin): Static & dynamic stability in the floating configuration, with wind, waves and current. OrcaFlex model.
- [MARINET](#): In charge of the redaction of [D2.12 Collation of wave simulation methods](#)

Research intern 2012 (6 month)
LOC-UFRJ (*Laboratory of waves and currents of Rio de Janeiro*)
Experimental contribution to M. M. Armandei's [thesis](#) on torsional galloping phenomenon.

Fields of expertise

Numerical	Experimental	Social
<ul style="list-style-type: none">• 1st & 2nd order wave loads and induced structure motion: RAOs (Hydrostar)• Dynamic calculation (OrcaFlex)• Mooring dimensioning (MAP NREL)• Mesh generation (ANSIS ICEM)	<ul style="list-style-type: none">• Conception of model scale devices• Instrumentation (load sensors, wave gauges, trajectory tracking)• Device testing in wave or towing tank• Data analysis & report writing	<ul style="list-style-type: none">• Project management• European projects (deliverables leader, active communication with partners, meetings)

Languages

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| <ul style="list-style-type: none">• French: native speaker• English: fluent | <ul style="list-style-type: none">• Portuguese: fluent• Spanish: fluent | <ul style="list-style-type: none">• Breton: fluent (School Diwan)• German: working knowledge |
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Softwares

Commercial : OrcaFlex, Hydrostar, Ariane, Ansys Icem, LabView, QualisysTM, Matlab, Simulink, StarCCM+, Solidworks, Autocad, Rhino.

Laboratory : AquaPlus, Reva, Icare.

Other Skills

Emergency diploma: PSE1 Lifeguard diploma: BNSSA Open Water diving certification from SDI

Interests

Violin player in swing/jazz/blues/irish

Windsurfing, Surfing, Sailing, Scuba diving, Trekking and Handball