

Benjamin Richaud

French, born 22 March 1991

richaud.benjamin@gmail.com

+ 33 (0)6 89 75 38 28

PhD Candidate

Work Experiences:

2016 – 2017 1 year Carlingford, Ireland	Graduate Program, following a 6-month Internship, at OpenHydro Technology Limited , in the Resource Assessment team. Site characterisation, array design, operation planning, turbine data assimilation, processing and analysis for testing, commissioning and monitoring.
2014 – 2015 10 months Woods Hole (MA), U.S.	Research Project at Woods Hole Oceanographic Institution . <i>Hydrographic climatology along the continental shelf off the Canadian and U.S. East Coasts.</i> CTD and XBT data processing, analysis and presentation. Led to a publication in <i>Continental Shelf Research</i> . <u>Supervisors</u> : T. Joyce and Y.-O. Kwon.
2014 3 months Hamburg, Germany	Internship at the Institute of Oceanography of Hamburg . Research project: <i>freshwater fluxes in the Greenland Sea</i> . CTD, uCTD and ADCP data processing and analysis. Research cruise from Iceland to Norway. <u>Supervisors</u> : D. Quadfasel and K. Jochumsen.
2013, 1 month Chile	Internship in a ranch in Tierra del Fuego. Operator internship.

Languages:

French	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
English	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Spanish	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
German	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Education:

2012 – 2016 Palaiseau and Paris, France	Engineer Diploma and MSc. at ENSTA ParisTech (among the top 10 french engineering schools). Specialisation in <i>Physical Oceanography</i> ; followed classes of <i>Marine Engineering</i> . 2 nd year: Mechanical Engineering. 3 rd year: MSc. WAPE (Water, Air, Pollution, Environment) at Polytechnique Graduate School , with major in Physical Oceanography, obtained with honors .
2009 – 2012 Lyon, France	Preparation for competitive exams for engineering schools.
2009 Antony, France	Scientific Baccalauréat . With honors.

Skills:

- Site Assessment, using in-situ measurements and numerical models
- Ability to use **Oceanographic Instruments** (ADCP, CTD, ADV,...)
- Experience in **Water Masses** identification and evaluation of its transport
- Proven ability to **Process and Analyse** data, and **Communicate** the results
- Comfortable in **International Environment**
- Strong knowledge in **MATLAB, Python, Unix** and **Microsoft Office**.
Basic knowledge in **VBA, MySQL, ArcGIS, Latex, C, html, fortran**

Publications:

Publication: Richaud, B., Y.-O. Kwon, T.M. Joyce, P.S. Fratantoni, and S.J. Lentz, 2016: Surface and bottom temperature and salinity climatology along the continental shelf off the Canadian and U.S. East Coasts. *Cont. Shelf Res.*, **124**, 165-181, doi:10.1016/j.csr.2016.06.005.

Presentation: Richaud, B., Y.-O. Kwon, and T.M. Joyce: Surface and Bottom Temperature and Salinity Climatology and Long-Term Changes along the Continental Shelf off the Canadian and U.S. East Coasts. *2015 Joint Assembly for AGU-CGU-GAC-MAC*, May 3-7 2015, Montréal, Canada.

Miscellaneous:

Hobbies	Sailing: yachting and international regattas in yacht and dinghy boats. Music: slide trombone in brass band, piano and flute in a music academy.
Travels	Canada, U.S., Peru, Bolivia, Chile, Togo, India, Europe...
Volunteering	Member of a sailing club. Member of environmental and solidarity student associations. Animation in an orphanage in Togo (Africa) in August 2010.