

VICTOR BAUDRENHNIEN

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OBJECTIVE

Mechanical engineer with three years' work experience looking to apply my knowledge of offshore wind energy in a position within this field

WORK EXPERIENCE

September 2018 – August 2021: Apprentice R&D engineer

Hutchinson, Precision Sealing Systems, Sartrouville, France

Apprenticeship part-time, part of the Master of Mechanical Engineering program

Development of innovative sealing solutions for the maritime and energy industry

- Design of new products tailored to client specifications
- Finite element analysis of the performance of the seals
- Monitoring prototype fabrication with the industrialisation department
- Conducting product testing and the qualification phase
- Ensuring technical exchanges with customers and suppliers

Main projects:

- Development of a seal used on missile launch facilities of frigates
- Development and qualification of a batch of seals used during the decontamination of nuclear power plant circuits

EDUCATION

September 2021 – September 2022: Master of Science in

Offshore Wind Energy (with distinction)

University of Strathclyde, Glasgow, Scotland, United Kingdom

- Key courses: offshore wind farms operation & maintenance, wind turbine technology, offshore wind turbines dynamics modelling, offshore structural integrity
- Individual project: Development of an assessment tool for Operation & Maintenance KPIs
- Group project: Determine the impact of several wind turbine innovations on the LCOE of an existing wind farm

September 2018 – August 2021: Master of Mechanical

Engineering

Polytech Sorbonne, Sorbonne University, Paris, France

- Key courses: continuum mechanics, fluid mechanics, mechanical system design, production management, computer science
- Main project: Design and manufacture of a remote control miniature dragster

September 2016 – August 2018: Preparation for the national engineering studies entrance exam

Polytech Lyon, Claude Bernard Lyon 1 University, Villeurbanne, France

- Key courses: mathematics, computer science, thermodynamics,

SKILLS

Technical skills:

- Reliability-centered maintenance (FMEA, maintenance plan creation)
- Product development (finite element analysis, computer-aided design, 3D printing)
- Project management (project planning, animate OBEYA meetings)
- Tooling design (extrusion die, compression mold)

CAD software:

- Expert: Autodesk Inventor
- Proficient: SolidWorks, Autocad

Other software:

- Proficient: Ms Project, GH Bladed, Ms Excel, Paraview, Simplify 3D
- Novice: Altair Hypermesh, Cast3m

Programming languages:

- Proficient: Python, Matlab
- Novice: C++, XML

Driving licence

LANGUAGES

French: Native

English: C1

- TOEFL: 109 (2021)
- TOIEC: 980 (2020)
- Cambridge C1 Advanced: Grade C (2016)

EXPERIENCE IN ASSOCIATIONS

Sport Partnership accountant

AS Lyon 1 (2017 – 2018)

- Search for partnerships with nearby sport facilities
- Collect students' subscription fees

PERSONAL INTERESTS

Scuba diving (certified CMAS 2 stars)

- calmness, sense of responsibility

Traveling: journeys in Laos, Ireland, South Korea, South Africa, Philippines, USA, Poland