

# **Makhlouf Challal**

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## **Professional Summary**

Mechanical and Marine Engineer with over 5 years of experience in marine engineering, vessel assessment, mechanical repair, and academic teaching. Skilled in fluid mechanics, energy conversion, and hydraulic systems. Proficient in ANSYS and ICEM-CFD. Bilingual in French, Arabic, and English (TCF B2).

## **Education**

### **Magisterium in Mechanical Engineering - July 2014**

University of Science and Technology of Oran "Mohamed BOUDIAF" (USTO-MB), Algeria

Specialization: Energy Conversion

Thesis: Study of Crude Oil Flows in Pipelines

### **State Engineering Diploma in Maritime Engineering - July 2010**

USTO-MB, Algeria

Specialization: Ship Equipment

Dissertation: Study of Turbulent Flow in Pipes with Sudden Enlargement

### **Diploma of University Studies in Marine Engineering (D.E.U.A.) - July 2007**

Specialization: Auxiliary Machines and Installations

Thesis: Study of Viscosity Using Falling Ball Viscometer

### **Baccalaureate in Mechanical Manufacturing - July 2004**

## **Professional Experience**

### **University Laboratory Engineer, Mouloud Mammeri University, Algeria | Dec 2017 - Present**

- Conduct experimental research and supervise student projects.
- Oversee laboratory operations and technical experiments.

### **Temporary Lecturer, Ecole Supérieure Navale | Jan 2018 - Present**

- Teach marine engineering courses.
- Supervise final year student projects.

### **Marine Engineer, Ship Repair Company, Bejaia | 13 months**

- Performed ship equipment maintenance and repairs.

### **Automobile Mechanical Repair Technician | 24 months**

- Specialized in turbocharger repairs and hydraulic brake oil maintenance.

### **Vessel Assessment Agent, ALE-MARINE | 1 month**

### **Temporary Lecturer in Fluid Mechanics Lab | 3 months**

## **Skills and Tools**

- Software: ANSYS, ICEM-CFD, Industrial Technical Drawing
- Research & Analysis: Fluid mechanics, Turbulent flow, Stability testing
- Languages: French (Fluent), Arabic (Fluent), English (Good - TCF B2)
- Personal: Detail-oriented, motivated, excellent teamwork and research skills