

# Zioui Alaa eddine

## ENGINEER IN THERMO-ENERGETICS AND MECHANICS

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### SUMMARY

Mechanical Energy Engineer with a Bachelor and Master degree in Mechanical Engineering from Saad Dahleb University, Algeria. i have experience in mechanical systems, energy efficiency, and maintenance, including expertise in TRNSYS simulation software. Strong background in project coordination, HVAC systems, and energy modeling. Excellent communication skills with the ability to collaborate across diverse teams and adapt quickly to dynamic environments. Proven problem-solver under pressure.

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### WORK EXPERIENCE

#### Packaging Machine Operator

Hamoud Boualem S.P.A | February 2024 to December 2025 (Day/Night Shifts)

- Operated and monitored the daily performance of packaging machines (Robobox KRONES, Labeler, Wrapper).
- Ensured machines were properly supplied with raw materials and maintained efficient functioning throughout shifts
- Troubleshoot mechanical issues and performed regular preventive maintenance to minimize downtime.
- Collaborated with the team to optimize machine efficiency and product output.

#### HVAC Project Coordinator

Industrial Refrigeration and Air Conditioning Company, Tipaza, Algeria| January 2022 to September 2022

- Coordinated HVAC projects, ensuring the timely and cost-effective completion of work for clients such as [the Algerian national hydrocarbons company, and the Italian energy group](#)
- Oversaw customer orders, identified optimal suppliers, and managed purchasing of spare parts.
- Assisted in the preparation of technical documentation, including sales invoices and project attachments.
- Provided ongoing technical support to clients and project teams during project phases.

#### Practical Internship

Solar Equipment Development Unit, Bou Ismail, Algeria| March 2018 to April 2018

- Completed a 15-day internship focused on "Cooling and Air Conditioning by Solar Energy" in the cold and water treatment using renewable energies Division.
- Worked on "Production of Electricity by Solar Concentration" in the RENEWABLE ENERGY EQUIPMENT Division.
- Gained practical knowledge of solar energy applications in HVAC systems and electricity generation.

#### Practical Internship

Professional Training and Learning Center, Bou Ismail, Algeria|September 2017 to December 2017

- Trained in construction techniques, including building walls, tiling, and floor slabs, for three months in the Building Domain.
- Developed practical skills in various aspects of construction, gaining hands-on experience with materials and tools.

## EDUCATION

### **MASTER DEGREE IN MECHANICAL ENGINEERING ,OPTION: ENERGY INSTALLATIONS AND TURBOMACHINES**

UNIVERSITY OF SAAD DAHLAB BLIDA,ALGERIA| AUGUST 2018-SEPT.2020

Directed and realizing the end of studies project entitled“ Study and Realization of a prototype solar heating intended for the Department of Mechanics "and solve the problem of air conditioning in our department by 100% pure energy ,addition and Manufactured of new type of solar heating.

### **BACHELOR'S DEGREE IN MECHANICAL ENGINEERING,OPTION: ENERGETIC'S**

UNIVERSITY OF SAAD DAHLAB BLIDA| JULY 2015 TO AUGUST 2018

### **Certificate of completion program of success in the workplace, Sponsored by US department of state ,Algerian US embassy, office of cultural affairs.**

HOUSE OF ENTREPRENEURSHIP BLIDA, ALGERIA| SEPT 2018 TO OCT. 2019

### **A quest of Formation ( First Aid)**

ALGERIAN RED CRESCENT, ALGERIA| MAY.05.2017 TO MAY.06.2017

### **Languages**

**Arabe** : Fluent -

**English**: Technical English, Conversational -

**French**: Proficient

### **Skills**

**Leadership** : : I possess a set of skills that make me an effective leader which are the clear vision, the ability to influence and motivate,team work,creativity, good listening and communication skills illustrated through my previous experiences.

### **software:**

PowerPoint

Word

Excel

**TRNSYS,TRNBUILD** : Using the program "TRNBUILD , TRNSYS" in the master's degree graduation project, I explained the heating requirements and the number of sensors required to achieve the comfort temperature.

### **Holds the following licenses:**

-Category B driving license

-Military service card