

Djamel Eddine Aissaoui

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Military service: Accomplished

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PROFILE

I am an enterprising young professional intending to continue my development in mechanical engineering field. I think in terms of results and objectives, I am enthusiastic, and I work with decisiveness and convention. I have a proactive attitude and find positive ways to stimulate and engage with people.

EDUCATION

2019 – 2021 **Energy Mechanical Engineering Master Degree**

University of Ziane Achour

- Master topic: Hydrodynamic and thermal study of a flow inside a double planetary active mixer using the dynamic mesh technique.

2016 – 2019 **Energy Mechanical Engineering License Degree**

University of Ziane Achour

- License topic: Thermodynamic analysis of turbocharger.

PROFESSIONAL EXPERIENCE

11/2022-Present **Entry-Level Mechanical Engineer**

EURL Djelfa Pompes

- Managed interactions with engineers from other disciplines, encouraging feedback, and making changes based on the input.
- Reviewed and adjusted customer coverage levels to address, identify and resolve customer conflicts.
- Frequent phone contact with clients.
- Liaised with customers, management and sales team to better understand customer needs and recommend appropriate solutions.
- Introduced spax 5 as a selection software to optimize pump sales.

EXTRACURRICULAR ACTIVITIES

09/2021-2022 **Military Service**

Platoon leader

- Self-discipline.
- Adaptability.
- Superior Decision-Making Skills.
- Resourcefulness, Flexibility and Persistence.

13/04/2019 **Programming Competition**

Data structure and algorithm competition.

- Developed the ability to deliver results under pressure.

SKILLS

- **Languages:** Arabic, English, French.
- **Industry Knowledge:** Computational Fluid Dynamics (Fluent and Workbench), SPAIX5.
- **Tools & Technologies:** Microsoft (PowerPoint, Excel, Word), Solid works, Python, LaTeX, Origin Lab, MATLAB.
- **Interpersonal Skills:** Originality, Research, Presentation, Teamwork, Dynamic and motivated.

INTERESTS

Fluid mechanics, Active mixers, Passive mixers, Heat transfer, Numerical methods, Thermodynamics.

REFEREED JOURNAL PAPERS

- Telha Mostefa, *Aissaoui Djamel Eddine*, Naas Toufik Tayeb, Shakhawat Hossain, Arifur Rahman, Bachiri Mohamed and Kwang-Yong Kim (2022) **Kinematic Properties of a Twisted Double Planetary Chaotic Mixer: A Three-Dimensional Numerical Investigation.**
- T.T. Naas, M. Telha, L. Laib, H. Shakhawat, A. Bacha, A. Taibaoui, A.Z. Naas, *D.Aissaoui*, (2021) **Performance enhancement of three-stage axial turbine for Clean Organic Rankine Cycle system driven by low-temperature heat source, Cleaner Engineering and Technology** (Elsevier) Volume 5, December 2021, 100336.

CONFERENCES

- CHATI.T, SHAKHAWAT.H, AIDI.M, Naas.T, TELHA.M, *AISSAOUID* « **Mass Transfer Enhancement Inside a Novel Micromixer: Numerical investigation**», DZHydraulic'21, 2021, Online Conference, Algeria.