Mohammed Riadh Berramdane

CONTACT

39, avenue de Saint-Germain, Port Marly, Île-de-France 78560

+33 768 539 240

mohammed-riadh.berramdane@ifp.fr

SKILLS

- Microsoft Office
- MATLAB/Simulink
- Langage C
- VHDL
- PSIM
- Proteus
- FEMM
- Comsol

LANGUAGES

Français

Proficient (C2)

Anglais

Advanced (C1)

Arabe

Proficient (C2)

PROFESSIONAL SUMMARY

A State Engineer in Electrical Engineering with a specialization in electric traction, I also completed my Master's in Electrical Systems for Energy and Mobility. I bring practical experience in the control and command of electrical systems, power electronics, and general electric traction, skills honed through extensive internships and training. Currently, I am a PhD student focused on the study and thermal modeling of power electronics systems and temperature prediction methods. My research aims to enhance the efficiency and reliability of these systems.

WORK HISTORY

PhD student 11/2022 - Current
IFP Energies Nouvellles - Rueil-Malmaison, Île-de-France

- Exploration of confined jet cooling strategies for WBG component converters.

Intern 03/2022 - 09/2022
IFP-Energies nouvelles - Rueil Malmaison, Île-de-France

- Exploration of a hybrid GaN/Si multilevel topology

Intern 02/2021 - 07/2021
Laboratory of the National Polytechnic School and - Algeria

- Modulation and control of a T-NPC inverter.

Intern 12/2019 - 01/2020
Brand arina - Algeria

- Global technical description of the company's automated production systems.

EDUCATION

Master in Physics and Engineering of Energy (PIE), 09/2021 – 09/2022
École normale supérieure Paris-Saclay – Gif-sur-Yvette, France

Engineer + Master's: Electrical Engineering Ecole , 09/2018 – 09/2021
Higher School of Applied Sciences. – Algeria

Preparatory classes., 09/2015 – 09/2018
National Polytechnic School. – Algeria

Baccalaureate in Technical Mathematics , 09/2014 – 09/2015
High school Abdelhamid Akhrouf – Algeria