



**Damien
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(he/him)

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My name is Damien Sicard, a passionate **energy engineer** currently **finishing** an industrial **PhD** (CIFRE) in Physics (**defense** planned **July 11, 2023**). My **11 years atypical background** strengthened my desire to **push** always **further** and solve growing **challenges**. Thus, thanks to my **background** I became **self-taught** and i would like to reinvest my skills in a **challenging** and **dynamic** environnement. That's why, I am looking for a **research engineer**, **postdoctoral** or **quantitative/analytical**.

EDUCATION

Ph.D. in Physics

Development of a flash sintering process, scientific computing codes and AI algorithms.

University of Burgundy - Diamatec company 📍
September 2019 - present 📅

Master's degree in Energy Engineering

General engineering degree with a major in energy
University of Technology of Belfort-Montbéliard 📍
2015 - 2019 📅

French « Grandes Ecoles » exams

French engineering schools exams' preparation
Henri Parriat High School 📍
2012 - 2015 📅

Electrician technical degree

Professional electrician studies
Eugène Montel High School 📍
2008 - 2012 📅

SELECTED PUBLICATIONS

Deep Learning and Bayesian Hyperparameter...

D. Sicard et al. 👤
Applied Sciences (2022) 📄
DOI: 10.3390/app122412606 🔗

PROJECTS

Volunteer in **The shifter** association

French economy decarbonation association
(support to "The shift project")

WORK EXPERIENCE

Researcher in an industrial setting

- Induction sintering process development
- Magnetodynamics finite element code
- Wavelet-based signal processing algorithms
- Deep Learning for computer vision

📍 University of Burgundy - Diamatec company
📅 September 2019 - present

R&D Engineer

- Led company doctoral grants submission
- Studies of Diamond Grinding Wheels (DGW) manufacturing

📍 Diamatec
📅 Mars 2019 - September 2019

SKILLS & LANGUAGES

Computer

●●○ Python/Matlab ●●○ Tensorflow
●●○ FreeFEM ●○○ C++/Fortran

Soft skills

●●● Hard working ●●● Self-taught
●●● Curious mind ●●○ Team work

Languages

●●● French (native) ●●○ English

PERSONAL INTERESTS

🔖 Open source 🔖 Cookery enthusiast
🔖 Running 🔖 Avid traveler