



**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** environnement. That's why, I am looking for a **research engineer**, **postdoctoral** or **quantitative/analytical** position.

## 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