

Lucas Galand

R&D Hardware Engineer

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Nationalité Française, 33 ans, permis B



Education

- 2015 **Master's degree in Electrical Engineering**, *INSA Strasbourg, Fr*
- 2013 **Semester course in Electrical Engineering**, *École Polytechnique de Montréal, Montréal, QC*
- 2012 **Two-year university degree in Electrical Engineering**, *Université de Lorraine, Nancy, Fr*
- 2010 **Preparatory class for engineering school**, *Lycée Henri-Loritz, Nancy, Fr*
- 2009 **High school diploma in Sciences**, *Lycée Jean-Baptiste Vuillaume, Mirecourt, Fr*

Professional experience

- October 2016 to now **R&D Hardware Engineer**, *Schiller Medical, Wissembourg, Fr*
Electronic development for medical devices (defibrillators and monitoring). Hardware design of physiological sensors (ECG, SpO2, IBP, temperature) compatible with the MRI environment. Prototyping, industrialization, clinical trials, diagnostic, tests.
- January 2016 to September 2016 **Electronic Engineer**, *BE4PROD Engineering, Castelnau-le-Lez, Fr*
Developed a weigh station for the aviation industry. Designed and industrialized a wearable medical device for Parkinson's disease symptom relief. Development on STM32 Nucleo32/64, design of HMIs in Python and C#. Schematics editing and multilayer PCB routing with Altium Designer.

Skills

Technical

- Electronic Analog and digital electronics, instrumentation chains, filtering, embedded systems under Linux OS (NXP i.MX, TI AM62x), microcontrollers (STM32, RL78, PIC, Cypress), battery-powered systems, wireless charging, Wi-Fi, BLE, electromagnetic compatibility, multilayer PCB routing.
- Medical Implementation of IEC 60601-1, IEC 60601-2-27, and European standards MDD/MDR. Design of ECG and SpO2 wireless sensors. Familiar with MRI environment constraints. Technical support for clinical trials.

Computer

- | | | | |
|-------------|-----------------------|------------|------------------|
| Programming | C, Python, C#, VB.Net | Simulation | LTSpice, SCilab |
| Versioning | GIT, SVN | CAD | Altium, Inventor |

Languages

- | | | | |
|---------|-----------------------|--------------|--------------------------------|
| English | Read, written, spoken | TOEIC score: | 815/990 (2012), 825/990 (2014) |
| German | Basic knowledge | | |

Extracurricular activities

- Science Interested in technological innovations and the latest discoveries in electronics and physics.
- Travels Trips to North America and Central Europe.
- Sports Photography, running, hiking.