

Lucas Galand

Electronic Engineer

87 Route de Bischwiller
67300 Schiltigheim
☎ 06 70 92 56 49
✉ lucas.galand@gmail.com
🌐 www.lucasgaland.com

French nationality, 29 y.o, B driving license



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

- Oct. 2016 to now **R&D electronic engineer**, Schiller Medical, Wissembourg, Fr.
Electronic development for the design of 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.
- Jan. 2016 to Sep. 2016 **Electronic engineer**, BE4PROD Engineering, Castelnaud-le-Lez, Fr.
Development of a weigh station for the aviation industry. Design and industrialization of a wearable medical device allowing the ease of the symptoms of patients with Parkinson disease. Development on STM32 Nucleo32/64, design of HMIs in C#. Schematics editing and PCB routing for multilayer PCBs with Altium Designer.
- Feb. 2015 to July 2015 **Graduation project within a design office**, In' Air Solutions, Strasbourg, Fr.
Design and implementation of a 4-channel autonomous air sampling device: implementation of a micro-controller and development of an integrated battery charger. Routing of PCBs. Firmware development on PIC32 MCU and implementation of an HMI on a 7 inch touchscreen.

Skills

Technical

- Electronic Analog and digital electronic, instrumentation chains, filtering, embedded systems under Linux OS (NXP i.MX processors), micro-controllers (STM32, Renesas, Cypress), battery-powered systems, wireless charging, Wi-Fi, BLE, electromagnetic compatibility, multilayer PCB routing.
- Medical Implementation of IEC 60601, IEC 80601 and European standards MDD/MDR, design of ECG and SpO2 wireless sensors. Knowledge of the MRI environment and technical constraints associated to medical devices. Technical support for clinical trials.

Computer

Programming C, C#, Python, VB.Net
Versioning GIT, SVN

Calcul Matlab, Mathematica
CAO Altium, Inventor, Autocad

Languages

English Read, written, spoken
German Notions

TOEIC result : 815/990 (2012), 825/990 (2014)

Extracurricular experience

- Travels Travels to the United States, central Europe, and Canada.
- Sports Rowing, mountain bike, running, hiking.