



Quentin Savary

BIOMEDICAL ENGINEER · IMAGE-GUIDED THERAPY

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Education

University of Bern

Bern

MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

Sep. 2019 - May 2022

- Major: Image-guided therapy
- Master Thesis: "Probabilistic stimulation map for deep brain stimulation"
- Supervisor: Dr. T. A. Khoa Nguyen
- Affiliation: Department of Neurosurgery (Inselspital Bern)
ARTORG Center for Biomedical Engineering Research (University of Bern)

Haute école d'ingénierie et d'architecture de Fribourg

Fribourg

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Sep. 2013 - Sep. 2017

- Bachelor Thesis: "Optimisation d'un filtre de décimation implanté en virgule fixe sur DSP"

École des métiers de Fribourg

Fribourg

CFC AUTOMATION TECHNICIAN

Aug 2009 - Jul. 2012

Experience

Adept Neuro SA

Lausanne

R&D ENGINEER

Aug. 2019 - Mar. 2022

- Development of electronic systems and software with user interface to perform testing and verifications
- Development of methods to perform more efficient measurements
- Validation of test methods and associated equipment according to applicable procedures
- Preparation, execution, and reporting of verification tests
- Qualification of custom equipment developed in-house
- Writing of technical documentation
- Working in the context of an ISO13485 Quality Management System

Aleva Neurotherapeutics SA

Lausanne

R&D ENGINEER

Jan. 2018 - Jul. 2019

- In-vitro characterization of neuronal stimulation and recording electrodes
- Characterization of an ASIC (application-specific integrated circuit) for recording and stimulation
- Characterization and simulation of implanted pulse generator signals
- Development of the control software for a bending test bench
- Verification of the clinician programmer software
- Writing of technical documentation
- Working in the context of an ISO13485 Quality Management System

Axalta Polymer Powders Switzerland Sàrl

Bulle

AUTOMATION TECHNICIAN

Dec. 2015 - Mar. 2016

Groupe E Connect SA

Matran

AUTOMATION TECHNICIAN

Sep. 2012 - Mar. 2013

Other experience

Travel

World

Kirghizistan, Nepal, India, Thaïlande, Philippines

Aug. 2022 - May 2023

Languages

French Native language

English B2-C1

German B1

Programming

Python, C++, MATLAB, versioning (Git, SVN)

Interests

Mountain sports (rock climbing, skiing, mountaineering, hiking), music (jazz guitar), chess