

Luca Brandt

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LinkedIn | GitHub

EDUCATION

- 06.01.2022 - **Niklas Steenfatt's Masterschool for Data Analytics** Bootcamp Data Analytics
01.10.2022
 - SQL
 - Tablau
 - Python for Data Analytics

20.09.2021 - **University of Bern** Selected courses for Data Analysis
20.09.2022
 - Statistics 2: R Programming
 - Advanced Topics in Machine Learning
 - Databases

10/2016 - **Beuth University of Applied Sciences Berlin** BEng Electrical Engineering
12/2020
 - Courses in Python, C, Digital Logic and Microcontrollers

08/2015 - **OSZ KIM Berlin** Technical Diploma
08/2016
 - Emphasis on Electronics

08/2011 - **Electrician EFZ** Apprenticeship
08/2014
 - Elektro Paganini AG Ittigen, Switzerland

WORK EXPERIENCE

- 05/2021 - **Community Service, ARTORG Center for Biomedical Engineering Research**
09/2021
 - 3D modeling and printing with SolidWorks and a Prusa printer respectively
 - Development of a test bench to simulate the fluid flow inside the cochlea
 - Programming of an Arduino Uno for heat and flow control

11/2020- **Community Service, Red Cross Switzerland** Caretaker Refugee
04/2021 Accommodation
 - Teacher of a German course A1 (~12 participants)

04/2020 - **Internship and Bachelor Thesis, Eckert und Ziegler Strahlen- und**
10/2020 **Medizintechnik AG**
 - Internship Software Engineer
 - Programming an ESP32 with MicroPython for a data transfer per WIFI
 - Bachelor thesis: Implementation and Evaluation of a Bluetooth Low Energy Data Transfer, GPA 1.7 (Germany)

08/2016 - **Temporary work before studying and during semester breaks**
11/2020
 - Substitute teacher (Math, German, English, History, Physical Education), Primary School Ittigen
 - Electrician, 4insiders Bern

PROGRAMMING EXPERTISE

- 2020 **Programming a data transfer with Bluetooth Low Energy**
 - Selection of a BLE module which meets the requirements
 - Development with C for the nRF52840
 - Data transfer between the measuring device and a programmed web application

2018 **Programming a distance sensor**
 - Programming the microcontroller STM32 in C
 - Detection of approaching objects with visual and auditory evaluation

TRAVEL EXPERIENCE

- 08/2014 - **Work & Travel** Australia
07/2015
 - Pedicab driver in Cairns and voluntary fundraising work in Brisbane for a total of two months

SKILLS & INTERESTS

Languages German (Native), English (Fluent), French (Beginner)
Technology Python, SQL, Tablau, Microsoft Office, C, Matlab, LaTeX