

# Rémi CLERC

Pronouns: they/them

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## Education

EPFL, Ecole Polytechnique Fédérale de Lausanne, Lausanne

**MSc in Electrical Engineering, specialization in Internet of Things**

Sept. 2018 - Feb. 2021

**BSc in Electrical Engineering**

Sept. 2015 - June 2018

Gymnase du Bugnon, Lausanne

**Swiss Matura Diploma, Physics and Applied Mathematics**

Sept. 2012 - June 2015

## Professional Experience

**Research Intern at Idiap Research Institute**

Mar. 2021 - Today

*Preparing publication for the results of my MSc project*

**Embedded Computer Vision MSc project at Idiap Research Institute**

Sept. 2020 – Feb. 2021

*Developing an embedded solution for computer vision in a microscope system - [idiap.ch/compimaging](https://idiap.ch/compimaging)*

**Embedded Software development Internship at Sigfox SA, France**

Feb. 2020 - Sept. 2020

*Developing an end-to-end solution to gather data and pictures of birds in a Sigfox connected bird nest - [thehackinghouse.com](https://thehackinghouse.com)*

**Research Assistant at Embedded Systems Laboratory, EPFL**

Sept. 2019 - June 2019

*Hardware compatibility and embedded Software in an embedded camera board - [esl.epfl.ch](https://esl.epfl.ch)*

**R&D Internship at REACT Group, EPFL**

July 2018 - August 2018

*Embedded electronics and programming for a luggage trolley with assistive motorization - [react.epfl.ch](https://react.epfl.ch)*

## Academic Projects

**Image segmentation with Machine Learning**

Sept. 2019 - Dec. 2019

*[Road Segmentation](#) - Comparing the performances of two ML models for road segmentation*

**Development of an app for tablet and smartwatch**

Sept. 2018 - Jan. 2019

*[Lockbreaker](#) - a two-player asymmetric cooperative puzzle game*

**Development of an app for Nintendo DS gaming console**

Sept. 2017 - Jan. 2018

*Dance It Out - a multiplayer competitive rhythm game*

## Technical skills

**Programming**

*C, C++, Python, Android SDK, Matlab, Git, Linux*

**Electronic systems**

*μcontrollers (ARM/Cortex), Android devices, Arduino boards, FPGAs*

**Machine Learning**

*PyTorch, Jetson Nano, Computer vision, Image segmentation, Image classification*

## Distinctions

**Texas Instruments Student Prize, for the Dance It Out game on Nintendo DS**

2018

**Gymnase du Bugnon Prize for English Skills**

2015

**M.-J. Visinand Creativity Prize, for a musical composition at Gymnase du Bugnon**

2014

## Languages

**French** *native language*

**English** *full professional proficiency*

**German** *Upper intermediate level*

## Interests

**Music**

**Hobby Electronics**

**Teaching**

**Theater/Improvisation**

**Programming**

**Associative Activities**