Rémi CLERC

Marionnaz 5, 1054 Morrens, CH   23 y.o. (12.08.1997)
contact.rclerc@gmail.com   +41 77 415 25 21
in /in/remiclerc   @Minauras

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

Embedded Computer Vision Internship at Idiap Research Institute   Sept.2020 – (Feb. 2021)
Developing an embedded solution for computer vision in a microscope system - 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

Research Assistant at Embedded Systems Laboratory, EPFL   Sept. 2019 - June 2019
Hardware compatibility and embedded Software in an embedded camera board - esl.epfl.ch

R&D Internship at REACT Group, EPFL   July 2018 - August 2018
Electronics, programming and testing for a luggage trolley with assistive motorization - 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++, Android SDK, Python, Matlab, Javascript (familiarity)
Electronic systems
Android devices, µcontrollers (STM32), Arduino boards, FPGAs
Software
Android Studio, EWARM, MDKARM, Arduino IDE, Git, Linux
Machine Learning
PyTorch, Jetson Nano, 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	Theater/Improvisation
Hobby Electronics	Programming
Teaching	Associative Activities