Lucas Elisei

 11^{th} March 1995

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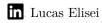


EDUCATION

| SEPT 2018 to JUNE 2020 | Master of Science in Engineering, Embedded Systems, HES-SO , Lausanne |
|---------------------------|--|
| SEPT 2019 to FEB 2020 | Master thesis: "High Performance Overlays for FPGA" |
| FEB 2019 to JUNE 2019 | Semester project: "FPGA-based Accelerator for Machine Learning Inference" |
| SEPT 2015 to JULY 2018 | Bachelor of Engineering in Embedded Systems, HEIG-VD , Yverdon Thesis: "Just-in-Time Recompilation and Optimization of Compiled Binaries" |
| SEPT 2013 to JULY 2015 | Propedeutics, Swiss Federal Institute of Technology (EPFL), Lausanne |
| June 2013 | Scientifical $Baccalaur\'{e}at$ (mathematics speciality), mention "Bien" with physics taught in English. |

PROJECTS

| Stereo | Flutter library for playing music from a file. |
|-----------|--|
| COMMUSICA | Java application for sharing music during an event. |
| Goodges | iOS extension for jailbroken devices. Radically changes the way notification badges are displayed on the homescreen. |
| Імноғ | Draw topographic map of cities from OpenStreetMap data. |
| PAGERANK | Recommendation algorithm. |



Work Experience

SUMMER 2019 Summer Internship at REDS INSTITUTE, Yverdon

Deployment of a Deep Neural Network model on FPGA in a Software-Defined Radio system.

SUMMER 2017 Interim at NESTLÉ, Orbe

Quality controls on Dolce Gusto products.

SUMMER 2016 Summer Internship at ITECOR, Vevey

Development of a mobile application for iOS, Android and Windows platforms. Acknowledged for my professionalism, my integration in a international environment and my English

communication skills.

SUMMER 2015 Summer Internship at Y-Parc, Yverdon

Development of a web application whose aim is to create and manage multiple-choice tests.

Acknowledged for my positive attitude, my engagement and my organization.

FEB 2015 Interim at NESTLÉ, Orbe

Life-cycle tests on Nescafé Dolce Gusto machines for sale.

SUMMER 2013 Interim at NESTLÉ, Orbe

Quality controls on Nescafé and Nespresso products.

LANGUAGES

FRENCH Mothertongue
ITALIAN Mothertongue
ENGLISH Fluent (C1 Level)

SKILLS

Computer skills

Basic Excel, PowerPoint, JavaScript

Intermediate Assembly, C++, Java, IATEX, SystemVerilog, Quartus, Vivado, Python

Advanced C, Dart, Git, SoC/FPGA, VHDL

Soft skills Autonomous, ability to adapt, organized and quick learner.

Interests and Activities

Technology, Open-Source, Programming

Music, Travelling

