

TAFITA RAKOTOZANDRY

EMBEDDED ELECTRONICS STUDENT

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Website: <https://rakotozt.github.io/about/>

EXPERIENCES

Design of a Heartbeat Monitor in FPGA, Lafayette College

Aug. 2019-Dec. 2019

- School Project
- Design and implementation of a FPGA based module that reads and display the heartbeat data on a 7 segments display

Technological Assistance, ITS Department, USA

Aug. 2018-Dec 2019

- Partial job on campus
- Technical assistance related to IT problems on campus

Development of a Monitoring System, LAAS, France

Feb. 2018-Mai 2018

- Last year school internship in LAAS
- Design and implementation of a network solution to monitor the Uninterruptible Power Supplies of the laboratory

Design of a Piezoelectric Sole, Antananarivo

Mar. 2017-Jul. 2017

- Personal Project
- Design and implementation of a prototype of a piezoelectric sole to convert the muscular displacement energy into an electrical energy

More Projects on : <https://rakotozt.github.io/about/#projects>

EDUCATION

Aug. 2018-Present

- **LAFAYETTE COLLEGE**, Easton PA

Major : Electrical and Computer Engineering (2nd year)

Mar. 2015-Jun. 2018

- **ECOLE SUPERIEURE POLYTECHNIQUE**, Madagascar

Licence en Génie Electrique

SKILLS

Analysis and calculation

Analog and Digital Circuit

Programming Languages

System Verilog (FPGA), C++, Java

Modeling and circuit design software

MATLAB, KiCad, Proteus

Microcontroller and nano-computer

Arduino, Raspberry Pi

LANGUAGES

• English Fluent

• French Fluent

• German Intermediate

• Malagasy Native