

## RAKOTOZANDRY TAFITASOANIAINA (Tafita) CHRISTIANY

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

### EDUCATION

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#### LAFAYETTE COLLEGE

Electrical and Computer Engineering

*Aug 2018-Present*

#### ECOLE SUPERIEURE POLYTECHNIQUE D'ANTANANARIVO (ESPA)

Energy study

*Mar 2015- Jun 2018*

#### LYCEE ANDOHALO ANTANANARIVO

*Oct 2011-Aug 2014*

### RELEVANT RESEARCH PROJECT

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#### DIGITAL HUMANITIES SUMMER SCHOLAR

*Lafayette College, Aug 2019*

- Researched on the effect household electricity in education

### SKILLS

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Proficient with the programming languages: Python, Java, C++, SQL, JavaScript

Proficient with Digital Circuit design and analysis including programming FPGA

Mathematical and Statistical software: MATLAB and Mathematica

Experienced in working on a team project

Fluent in English, French and Malagasy

### PROFESSIONAL EXPERIENCES

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#### *ITS Summer Student Technician,*

*Jun 2019-Aug 2019*

Coordinated all the new technological devices bought by the college

Imaged each of the new computers relative to networking system used by the college

#### *Electric System Administrator Intern, LAAS*

*Feb 2018-Mai 2018*

Developed a web application to monitor the Uninterruptable Power Supplies of the French laboratory with a team of engineers

#### *Energy Consumption Advisor, High Tao*

*Mar 2017- Jul 2017*

Analyzed and studied the energy consumption of the company.

Proposed a new energy source alternative that conforms the needs of the company

### PROJECTS

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#### **Spider Robot Algorithm**

*Easton, May 2019-Present*

Works on a personal project of developing an algorithm to facilitate the control of quadruped robots

#### **Raspberry Pi Miezaka**

*Antananarivo, Aug 2017-Aug 2018*

Led an independent research project on building a solar paneled laptop using local raw materials for a potential use school in remote area of Madagascar

#### **Malinux Tele Translation**

*Antananarivo, Feb 2015, Aug 2018*

Helped a NGO in Mali to translate an education game in Bambara language to Malagasy for a school use by changing the game database

### VOLUNTEERING

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#### **Peer Advisor, International Student Association**

*Lafayette College, Aug 2019-Present*

Prepared the international orientation for the new first year international students

Being in touch with the new students to help them to transition from studying far from home

#### **Tutor in NGO Miezaka**

*Antananarivo, Feb 2015, Aug 2018*

Mentored children from poor family in Madagascar to learn reading and writing

Represented the NGO Miezaka team from France in Madagascar