

TAFITA RAKOTOZANDRY

ELECTRICAL AND COMPUTER ENGINEERING STUDENT

CONTACT



Email

rakotozt@lafayette.edu



Phone

201-233-8972

WEBSITE



EDUCATION

Aug 2018-May 2022

- **LAFAYETTE COLLEGE**

Bachelor of Science in Engineering

Mar 2015-Jun 2018

- **ECOLE SUPERIEURE POLYTECHNIQUE D'ANTANANARIVO**

Energy Study Certificate

EXPERIENCES

Jun 2019-Aug 2019

ITS Summer Student Technician, Lafayette College

- Coordinated the new technology devices bought by the college
- Integrated the new computers for the new science center building
- Managing and updating all software license of the college's computers

Mai 2019-Jun 2019

Digital Humanities Summer Scholar

- Led a research on the effect on household electricity on class result
- Learned digital tools nowadays to approach research question
- Collaborated with the other participants on how to develop the topic

Feb 2018-May 2018

Monitoring System Developer Intern, LAAS, France

- Studied all the different Uninterruptible Power Supply in the laboratory
- Proposed a network architecture to remotely monitor these devices
- Developed a web application to monitor these devices

Mar 2017-Jul 2017

Energy Consumption Advisor

- Analyzed the energy Consumption of the company
- Proposed a new energy source alternative that conforms their need

SKILLS

- Programming languages: Python, Java and JavaScript
- Electrical and Digital Circuits Design including FPGA programming
- Simulation Software: MATLAB

PROJECTS

(Visit the following link to look all <https://rakotozt.github.io/about/>)

Feb 2019-Jun 2019

Drone Automatization, Lafayette College

- Analyzed the possible flight trajectory of a drone (personal project)
- Coded a drone to experiment desired flight trajectory

Jun 2019-Aug 2019

Study of the effect of light on old artifact

- Worked with classmates on prototyping a circuit to measure light
- The project was made on the College's Special Collection

Raspberry Pi Miezaka

- Built a solar powered computer using raspberry pi (personal project)
- Trained the local potential students to learn to use;

Jun 2019-Aug 2019

Malinux Tele Translation

- Translated an education game in Bambara to Malagasy language
- Updated the game 's database

VOLUNTEERING

May 2019-Aug 2019

International Student Peer Advisor

- Organized the international student orientation
- Being in touch with the new student to help them from transitioning

Jun 2016-Aug 2018

Tutor in the NGO Miezaka

- Mentored children from poor village to learn reading and writing
- Supported them in their difficulty in class

Oct 2014 -Aug 2015

Communication President of the LIME

- Kept every member informed about any news in the club
- Organized event with another committee of the club