



Mamadou Mamarou  
DIALLO  
RF Designer

✉ mamadou-mamarou.diallo@universite-paris-saclay.fr  
🏠 6 rue de la bonne entente, 95280 Jouy-le-Moutier, France  
🌐 <https://www.linkedin.com/in/diallo-mamadou-mamarou-222821137/>  
📞 0753016041  
👤 Single

## A Languages

French

English

## 🏆 Assets

Adaptability

Team Work

Projects management

Patience

## 👥 Hobbies

Reading

Voyage

Football

Seeking for an internship position as a radio frequency designer in a company that provides space for professional growth.

Duration: 4 to 6 months starting from March 2023.

## Education

Since September 2022

### Master2-Composants et Antennes pour les Télécoms

Université Paris Saclay, France

#### [Course details](#)

- Design of linear and non-linear microwave circuits;
- Basic and advanced antennas;
- Antenna measurement in an anechoic chamber;
- Simulation of an RF amplifier using ADS.

From March 2021 to July 2022

### Master1-Electrical Engineering (Telecommunication option)

Pan African University, Institute for basic Sciences Technology and Innovation (PAUSTI), Kenya

#### [Course details](#)

- Advanced antenna design and radio wave propagation
- Wireless communication
- Microwave engineering
- Design of microstrip and MIMO antennas using HFSS

From October 2014 to July 2018

### BSc. Electronic Engineering (Telecommunication networks)

Université Gamal Abdel Nasser de Conakry Guinea

## Work experience

From October 2020 to February 2021

### Language Instructor

Modern High School Freetown, Sierra Leone

- Taught french;
- Managed the IT infrastructure;
- Assisted the examination department.

From December 2019 to August 2020

### Intern

AI professional Freetown, Sierraleone

- Computer network infrastructure deployment;
- Network maintenance;
- Network management.

## Skills

Antenna design using HFSS

Designed a dual-band circular microstrip antenna.

Antenna performance measurement

Evaluated antennas' performance using a VNA, radiation pattern measurement in anechoic chambers

Matching circuit design

Designed lumped elements and stubs matching circuits using Smith Chart.

## Computer skills

MS-Office, HFSS, ADS, CST, Matlab, Python, Sylvaco, OriginPro, SigmaPlot

## Publication

M. Mamarou Diallo, D. Bernard Onyango Konditi, and O. Videme Bossou, "A miniaturized dual-band planar antenna with a square ring defected ground structure for 5G millimetre-wave applications," Indonesian Journal of Electrical Engineering and Computer Science, vol. 29, no. 1, p. 197, Jan. 2022, doi: 10.11591/ijeecs.v29.i1.pp197-205



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