

## CURRICULUM VITAE

Mariame NIANG, PhD student

Senegalese nationality, Single without children, Born on 06/26/1994 in Médina Gounass Guédiawaye Dakar (Senegal), Guédiawaye villa N ° 25, Dakar, Telephone: 77 633 59 38

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### Laboratories

1. Laboratory of Quantum Photonics of Energy and NanoFabrication (LPQEN), Department of Physics Faculty of Sciences and Techniques, Cheikh Anta Diop University of Dakar, Professor Balla Diop Ngom, e-mail : [balla.ngom@ucad.edu.sn](mailto:balla.ngom@ucad.edu.sn)

2. Laboratory of Medical Imaging and Bioinformatics of the Higher Polytechnic School of University Cheikh Anta Diop of Dakar,

### University education :

#### Doctorate in progress

**2019-2020** : Registration for the PhD in Electronics, Systems and Telecommunications at Physics department of the Faculty of Sciences and Techniques of the University Cheikh Anta Diop of Dakar, Subject : “ RSSI-assisted propagation loss Learning algorithms for mobile user tracking through 802.11 WLAN indoor fingerprinting ”

**2017-2018** : MSc2 in Electronics, Systems and Telecommunications at Physics department of the Faculty of Sciences and Techniques of the University Cheikh Anta Diop of Dakar, Subject 'Study of the possibility of using the optical fiber as backup to the VSAT for the extension of VHF coverage '.

**2016** : MSc1 in Physics and Chemistry in the Physics and Chemistry department of the Faculty of Sciences and Techniques of the University Cheikh Anta Diop of Dakar.

**2015** : Bachelor's degree 3 in Physics and Chemistry at the Physics and Chemistry department of the Faculty of Sciences and Techniques of the University Cheikh Anta Diop of Dakar.

**2014** : Bachelor's degree 2 in Physics and Chemistry at the Physics and Chemistry department of the Faculty of Sciences and Techniques of the University Cheikh Anta Diop of Dakar.

**2013** : Bachelor's degree 1 in Physics and Chemistry at the Physics and Chemistry department of the Faculty of Sciences and Techniques of the University Cheikh Anta Diop of Dakar.

**2012** : S2 Baccalaureate in the first round at Lycée Seydina Limamoulaye of Guediawaye, Dakar.

**2009** : Obtaining the Bfem in the first round at Cem Joseph Félix Corr ea A of Guédiawaye Dakar.

## THEORETICAL KNOWLEDGE

Microelectronics, Signal processing, Electronics Analog and Digital, High Frequencies and Hyper Frequencies, Optoelectronics, Antennas, Networks

### **PROFESSIONAL EXPERIENCES**

Professional internship at the Agency for Air Navigation Safety in Africa and Madagascar (ASECNA) at Dakar to the office Communication, Navigation and Surveillance (CNS) internship report on : **Study the possibility of using optical fiber as a backup to the VSAT for the extension of VHF coverage.**

Research grant for scientist International at the German University in Cairo, Egypt. The thesis project was granted and funded by an international organization AAS (African Academy of Science) and the Faculty of Information Technology and Engineering of the German University in Cairo (GUC : German University in Cairo) in Egypt on a subject bearing : Indoor location based on WiFi fingerprinting using machine learning. Professor. Dr. Mohamed A. Abd El Ghany Salem, German University in Cairo New Cairo city, Cairo, Egypt

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### **COMPUTER SKILLS**

❖ Windows, Word, Internet, Excel, C, Pascal, C ++, Networks, TCP / IP Protocol programming

### **LANGUAGES**

➤ Puular : mother tongue, French : very well spoken, written and read, English : well spoken, written and read Arabic : Learning, Wolof : spoken

### **Member of organizations**

OWSD : Organization for Women in Science for the Developing World. Creation of the Nation Chapter of OWSD in Senegal. I participated to the first 2021 Mentoring Masterclass organized by the AAS Mentorship Scheme on 19th March 2021

### **Seminars : One World Signal Processing Seminars**

**Center of interest** : Cooking, Reading, Music, Travel, Internet and going out

**PRACTICED SPORT** : Jogging

**Country visited** : Africa : Egypt

