

# RONALD TATCHEMO GUIAFAING

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## RESEARCH INTERESTS

Human Computer Interaction || Computer Vision || Deep Learning || Natural Language Processing || Big data

## EDUCATION

**University of Verona**

Oct 2023-Current

**Master in Computer Engineering for robotic and Smart Industry**

**GPA: 24.57 / 30**

**Relevant Courses:** Advance Database and Information System, Deep Learning, Computer Vision, Process Monitoring, System Verification and Testing, Machine Learning and Artificial Intelligence

## Catholic University Institute of Buea.

**Bachelor of Sciences in Software Engineering**

July 2023

**GPA: 3.40/4.00** – Dean List

**Thesis Title:** Disease Prediction Web App Using Machine Learning

**Relevant Courses:** Scientific Research Methods, Operating Systems, Introduction to Data Science and Operations Research , Computer Applications for Chemical Engineers, Advanced Data Structures and Algorithms, Computer Architecture

## RESEARCH, WORK AND TEACHING EXPERIENCE

### Graduate Research Assistant

❖ LandMark Metropolitan Institute of Buea , Cameroon

October 2023 – March 2024

**Advisor: Dr Osamudiamen**

- Writing, revising and editing scientific manuscripts before publication.
- Online Lecture of Sophomore course : Computer Programming II , Computer Architecture

### University research assistant

**Advisor: Professor Alberto Belussi**

October 2024 - Present

- testing spatial data models and schemas for geographical data
- implementing and optimizing spatial databases and data warehouses
- building and deploying spatial web services and APIs;
- integrating and harmonizing spatial data from different sources and platforms (MongoDB ,

Hbase)

### Research engineer

**Advisor: Professor Andrea Giachetti**

February 2024 – June 2024

- testing spatial data models and schemas for geographical data
- implementing and optimizing spatial databases and data warehouses
- building and deploying spatial web services and APIs;
- integrating and harmonizing spatial data from different sources and platforms (MongoDB ,

Hbase)

### Undergraduate Research Project

❖ Department of Information Technology, Catholic University Institute of Buea March – August 2022

**Advisor: Mrs Fani Tiako Michele**

- Conducted datasets collection of Various diseases in Medical facilities in Douala Region
- Extracted and Collected data to perform some basic computation regarding machine learning models.

### **EMICO INFORMATIQUE Intern**

- ❖ Search gate Laboratories Limited August 2020 – November 2020
  1. Web Site development of Various Customers depending on each specifications
  2. Ensure privacy and data protection.

### **Computer Science Tutor**

- ❖ Douala Academic Institute of Arts and Science 2020-2023

I Obtain a Contracts as a Part-time teacher in tutoring over From 5 Science – High School Student in Computer Science , Mathematics

### **PROFESSIONAL CERTIFICATIONS**

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Writing in the Sciences, Stanford University, California 2023  
Energy, Environment and Everyday Life, University of Illinois at Urbana-Champaign 2023

### **LEADERSHIP AND VOLUNTEERING EXPERIENCE**

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- ❖ Developer Lead : Yimmiline Sas May 2021 – Jan 2022  
**Senior Developer**
  - Head of team of 12 Engineer working on a tech project of a Mobile Applications development for Hysacam Cameroon.October 2022 - Present

#### **Planning Committee Team Member**

- Planning and coordinating events such as the mentorship programs, monthly article reviews and webinars.

- ❖ Catholic University Institute of Buea February – August 2022

#### **Financial Secretary (2021/2022 Academic Session)**

- Prepared monthly and annual financial reports of money received, deposits made, and authorizations for payment issued, to be presented to the president, secretary, and other financial officers.

### **SKILLS AND PROFICIENCIES**

- ❖ Technical and Software skills: Chemdraw, C,C++, AutoCad, Postgis , Django , OpenLayers, ExtJs , Joomla, Tikiwiki , Matlab / Node.js / Python / SQL / Git / Java / Unity / MySQL / PHP / Linux

### **HONOURS AND AWARDS**

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- ❖ 3rd Position at the Interfaculty debate competition, Catholic University Institute of Buea 2022

### **PROFESSIONAL AFFILIATION**

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Member, Envisionit

Member, International Foundation Big Data and Artificial Intelligence for Human Development (IFAB)