

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 Robotics 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

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.

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

Research engineer

Advisor: Professor Andrea Giachetti

February 2024 – June 2024

- Bilateral Filtering
- Normal Mapping
- Image Processing Techniques (Matplotlib , OpenCV , TensorFlow,Meshlab and Keras)

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, QGIS)

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

LEADERSHIP AND VOLUNTEERING EXPERIENCE

- ❖ Developer Lead : Yimmiline Sas May 2021 – Jan 2022
Senior Developer
 - Head of team of 12Engineer 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:** QGIS, C,C++, MongoDB, Postgis , Django , OpenLayers, Meshlab , Matplotlib , OpenCV , Matlab , Node.js , Python /SQL, Java / Unity, MySQL / PHP / Linux

HONOURS AND AWARDS

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

PROFESSIONAL AFFILIATION

Member, Envisionit

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