

Information Technology & Informatics Engineer: Information Technology & Informatics Engineer with expertise in web development, extreme event forecasting, intelligent system design, and educational program development. Skilled in Python, JavaScript, React, Node.js, and system optimization, with a strong focus on integrating Social Emotional Learning (SEL) and Global Citizenship Education (GCED) principles into digital solutions. Proven ability in data-driven decision-making, digital transformation, and fostering community engagement through innovative technological initiatives. Eager to apply technical expertise and leadership in driving impactful educational programs and fostering global sustainability.

EDUCATION

04/2022 – 03/2025 **PhD Informatics**, Joint Doctoral Program for Sustainability Research, University of Electro-Communications, Chofu, Tokyo, Japan

‘Data-driven methods and Hybrid-ensembles in Streamflow Prediction’

Details: Advanced techniques in machine learning and deep learning for predictive modelling
Graduation – March 2025

04/2020 – 03/2022 **Master of Engineering, Informatics**, University of Electro-Communications, Tokyo, Japan

‘Twitter For Flood Situation Awareness and Emergency Response’

Investigating the role of Social Networks (SNs), particularly Twitter (now X) in situation awareness during floods.

01/2012 – 03/2018 **BS with Honors in Information Technology (First Class)**, University of Juba, Juba, South Sudan: College Information System

EXPERIENCE

04/2020 – 03/2025 **Research Assistant**, University of Electro-Communication, Tokyo, Japan
Onboarding new researchers (Master’s and Ph.D students), part-taking in organizing conferences and contributing to Lab research

3/2019 – 11/2022
& 12/2022 – to date **University Teaching and Lecturer (Remote)**, University of Juba, Juba, South Sudan
School of Computer Science and Information Technology

Oct. 28-29 2023 **Conférence Organizing member**, University of Electro-Communications
Arranged, coordinated and provided conference support

SKILLS

Languages:

English (Native Level); **Japanese** (Business Conversational Level); **Swahili** (Conversational)

Global Citizenship Education (GCED):

Proficient in integrating global perspectives into educational practices, encouraging critical thinking and empathy in students. Experienced in promoting inclusivity, social justice, and sustainable development through curriculum design and extracurricular activities. Passionate about fostering global awareness and social responsibility among students, emphasizing the role of technology in addressing global challenges.

Educational Leadership:

Demonstrated ability to lead and manage educational projects, including the supervision of undergraduate students' research projects. Integrates innovative technologies and interdisciplinary approaches to education, fostering both academic and personal growth in students.

Mentoring and Youth Empowerment:

Experience in mentoring students, especially girls, in STEM fields through initiatives like the GoGirls ICT Initiative. Provides guidance on career development, leadership skills, and building confidence in young learners to drive positive social change.

Social Emotional Learning (SEL):

Skilled in supporting the emotional and social development of students by creating safe, inclusive learning environments. Incorporates SEL principles into teaching practices to enhance empathy, resilience, and conflict resolution skills among learners. Focused on creating a positive learning experience that aligns with the values of peace, equity, and sustainability.

REFEREES**PROF. DR KAYOKO YAMAMOTO:**

Full Professor at the University of Electro-Communications, Department of Informatics and Head, Joint Doctoral Program for Sustainability Research

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