

IJEOMA JANE-FRANCES EZIKA (Nee ANARADO)



AREA OF SPECIALIZATION: Fault tolerant computing, Digital Signal Processing.

CURRENT CONTACT INFORMATION: Department of Electronic Engineering, University College London, WC1E6BT, UK.

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PERSONAL INFORMATION: **Born:** February 08 1989
Sex: Female
Place of Birth: Enugu State, Nigeria.
Nationality: Nigerian
Marital Status: Married

EDUCATION: **University College London, UK**
PhD candidate Electronic Engineering
Research: Design of algorithms for system level fault tolerance in data computations.

January 2013- Date

University of Nigeria, Nsukka, Nigeria.
B.Eng. Electronic Engineering.
First Class honours

October 2005 – Nov. 2010

University of Nigeria Secondary School, Enugu Campus, Enugu State, Nigeria.
Senior School Leaving Certificate

September 1999- July 2005

WORK EXPERIENCE: **University College London**
Undergraduate Electronic Engineering
Laboratory demonstrator in:

September 2014 – present

- Introduction to Electronics, circuit design, construction and Matlab. (100 level)
- Analog electronics, digital designs and semiconductor devices (200 level)
- Internet multimedia systems (Master's level)

Catholic Agency for Overseas Development, London, United Kingdom

January 2014 - present

Youth volunteer

- Organise group meetings and activities

- Present talks on injustices in the world and call youths to action through volunteering and speaking out for justice
- Organize fund raising activities and sales

University of Nigeria, Nsukka, Nigeria

June 2012 – present (Study leave)

Graduate Assistant

- Electronic Engr. Undergraduate Tutor in:
 - Electromagnetism (300 level)
 - Communication systems (500 level)
- Research Assistant

Tenece Professional Services, Enugu Nigeria August 2011 – May 2012

Support Programmer

- Deployment of School Manager application for Universities.
- Support Services for deployed applications

Weco Systems Group, Lekki, Lagos, Nigeria February 2010

January 2009 –

Industrial Trainee

- Deployment of Contact centre and IP Telephony for Banks, Oil companies, etc
- Setting up of Campus Networks for large and medium sized companies
- Personal Assistant to the executive director

PUBLICATIONS:

I. Anarado, M.A. Anam, D. Anastasia, F. Verdicchio, Y. Andreopoulos, "[Highly-reliable integer matrix multiplication via numerical packing](#)", IEEE 19th International On-Line Testing Symposium (IOLTS) 2013, pp.19,24, 8-10 July 2013.

I. Anarado, Y. Andreopoulos, "[Mitigation of Fail-Stop Failures In Integer Matrix Products Via Numerical Packing](#)", IEEE 21st International On-Line Testing Symposium (IOLTS) 2015, pp.101 -107, 6-8 July 2015.

I. Anarado, Y. Andreopoulos, [Core Failure Mitigation in Integer Sum-of-Product Computations on Cloud Computing Systems](#), IEEE Transactions on Multimedia, Vol. 18, No.4, pp. 789-801, Feb. 2016.

I. Anarado, M.A. Anam, F. Verdicchio, Y. Andreopoulos, [Mitigating Silent Data Corruptions In Integer Matrix Products: Toward Reliable Multimedia Computing On Unreliable Hardware](#), IEEE Transactions on Circuits and Systems for Video Technology. To appear

M. Anam, **I. Anarado**, and Y. Andreopoulos. "[Generalized Numerical Entanglement for Reliable Linear, Sesquilinear and Bijective Operations On Integer Data Streams](#)", IEEE transactions on Emerging Topics in Computing. To appear

- SCHOLARSHIPS AWARDS OBTAINED:
- TOTAL Petroleum Nigeria Limited Undergraduate National Merit Award 2006/2007- 2009/2010.ACADEMIC SESSION
 - Federal Government of Nigeria Post Graduate Scholarship 2012/2013 academic session till present
- CORE COMPETENCIES :
- Exceptional Organizational and leadership skills.
 - Prolific communicator.
 - Ability to understand quickly & easily.
 - Adept researcher
 - High rate of adaptability to new work environment with ability to work under minimum supervision
 - Team player, willing to learn new techniques.
 - Strong analytical ability
 - Good knowledge of internet protocol and networks, C, C++, OpenMP, MPI, C# and MATLAB programming tools.
 - Good knowledge of Intel's AVX and SSE instruction set
 - Working knowledge of SQL database
 - Working knowledge of Linux operating system including the Raspian kernel for Raspberry Pi.
- HOBBIES Teaching, Organizing events and Travelling
- REFERENCES **On request**