

# NWAFOR Chibundo, Josiah

## PERSONAL INFORMATION

**Address:** 08 Fernier, 19 Rue de l'építaphe, 25000, Besançon, France.

**Home Address:** Enugwu-abor Ufuma, Anambra State, Nigeria.

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**Nationality:** Nigerian

**Place of Birth:** Gboko, Benue state. Nigeria.

**Online portfolio:** <https://nwaforchibundo.github.io/>

**Personal website:** <https://nwaforchibundo.github.io/website/>



## EDUCATION

- 10/19 – Present    **PhD:** Université Bourgogne Franche-Comté, France (UBFC) / FEMTO-ST  
*Contribution to the Miniaturization of Continuum Robots by using Glass*
- 09/17 – 09/19    **International Master:** Université Bourgogne Franche-Comté, France (UBFC)  
*International Master on “Control for Green Mechatronics” (GREEM)*
- 01/08 – 10/12    **Bachelor Degree:** Anambra State University, Uli, Nigeria (ANSU).  
*Bachelor Degree in Electrical/Electronic Engineering (First class honor)*

## INTERNSHIP

- 06/11 – 12/11    **Bachelor Internship:** Electronic Development and Research Institute, Awka. Nigeria.  
✓ Microcontroller Programming and Embedded System Design.
- 02/19 – 07/19    **Master Internship:** ISM Marseille, France.  
✓ Programming and Mobile Robot Sensor Integration for Indoor Localization.

## WORK EXPERIENCE

- 03/13 – 03/13    **Trainee:** Patech Nigeria. L.T.D. (Electronics Repair)  
✓ Phone software and hardware engineer
- 03/13 – 03/14    **National Service:** National Youth Service Scheme (NYSC)  
✓ Teaching and Community Development Service
- 05/14 – 12/14    **SITE TECHNICIAN:** VACC TECHNICAL L.T.D (Construction Company)  
✓ Industrial Housing Wiring and Installations
- 12/14 – 12/15    **Employee:** ASCA RINGARDAS Nigeria L.T.D (Bitumen and LPG)  
✓ Supervisor and Maintenance Officer
- 12/15 – 09/17    **Civil Servant:** Federal University Ndufu-Alike, Ikwo. Nigeria. (University)  
✓ Graduate Assistant

## LANGUAGES

English **Excellent command** (Proficient)  
French **Basic communication skills** (Basic)  
Igbo **Native language**

## SKILLS and PROFICIENCIES

Modeling/Automation: *MATLAB/Simulink, LabVIEW*  
Programming IDEs: *Proteus, Spyder, Qt-Creator, Processing, Sketch, ROS, Anaconda*  
Programming languages: *C/C++, Python, Java, Assembly*  
FEM/FEA software: *COMSOL Multiphysics, Solidworks, ANSYS*  
CAD software: *Solidworks, Alphacam*  
Report writing/design: *Office Package, Overleaf, Inkscape*  
Microcontrollers: *8051, PIC, ARDUINO, RASPBERRY PI, Teensy, Siemen PLC.*

## CERTIFICATIONS AND MERIT AWARD

Summer School (2018)----- *Introductory School to Energy Harvesting Microsystem*  
Energy University (SE)----- *Energy Management Fundamental for System Integrators*  
(Schneider Electric)----- *Energy Efficiency Fundamental for Industrial Automation and Control*  
ANSU (2012) ----- *Merit Award as Best Graduating Student in Engineering Faculty*  
Nigeria society of Engineers----- *Active Member Student Level*  
Society of Elect/Elect Engr. Student - *Merit award as the most outstanding departmental student 2012*  
CampusFrance-FUNAI----- *Joint Master's Scholarship Award in France 2017*

## HOBBIES/EXTRA CURRICULA ACTIVITIES

- Reading                      - Programing                      - Watching Sport  
- Dancing                      - Meeting People                      - Travelling

## JOURNAL PUBLICATIONS

Survey      **Design and Fabrication of Concentric Tube Robots: A survey**  
*Nwafor, Chibundo and Girerd, Cédric and Laurent, Guillaume and Morimotor, Tania and Rabenoroso, Kanty*  
[IEEE Transactions on Robotics, 2023](#)  
Research paper      **The Caturo: A Sub-millimetre Diameter Glass Concentric Tube Robot with High Curvature**  
*Nwafor, Chibundo J. and Laurent, Guillaume J. and Rougeot, Patrick and Rabenoroso, Kanty*  
[Advanced Intelligence Systems, 2023](#)  
Research paper      **Miniature Parallel Continuum Robot Made of Glass: Analysis, Design, and Proof-of-Concept**  
*Nwafor, Chibundo and Laurent, Guillaume and Rabenoroso, Kanty*  
[IEEE/ASME Transactions on Mechatronics, 2023](#)

## References

Available based on request.