

## EDUCATION

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Nov. 2020 – Present	<b>Ph.D.</b> in Computer Science and Systems Engineering    IMT SCHOOL FOR ADVANCED STUDIES LUCCA, ITALY Advisor: Prof. Alberto Bemporad
2019 – 2021	<b>M.Sc.</b> in Machine Intelligence    AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, RWANDA Thesis title: “A Deep Neural Network Optimization Algorithm via a Highway Traffic Model.” Supervisor: Asst.-Prof. Philipp Petersen (University of Vienna)
2017 – 2018	<b>M.Sc.</b> in Mathematical Sciences    AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, CAMEROON Thesis title: “Blood Flow in an Inclined Tapered Stenosed Porous Artery under the Influence of Magnetic Field and Heat Transfer.” – ‘Distinction’ awarded Supervisor: Dr. Jos Usman Abubakar (University of Ilorin, Ilorin, Nigeria)
2012 – 2016	<b>B.Sc.</b> in Mathematics (First Class Honors)    UNIVERSITY OF ILORIN, ILORIN, NIGERIA Final year project: “On Some Finite Difference Methods for Solving Partial Differential Equations.” Supervisor: Dr. Babatunde Morufu Yisa (University of Ilorin, Ilorin, Nigeria)

## TEACHING AND PROFESSIONAL EXPERIENCE

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June – Sept. 2019	Academic Staff (STEM Learning Facilitator)    INSPIRE PARADIGM ACADEMY, YOLA, NIGERIA <ul style="list-style-type: none"><li>Delivered STEM-oriented instruction through Project-Based Learning methods towards curriculum objectives and academic achievement.</li><li>Evaluated students’ performance assessments and provided feedback on the development of students.</li></ul>
2016 – 2017	Teaching Assistant (National Service)    MOUNTAIN TOP UNIVERSITY, OGUN, NIGERIA <ul style="list-style-type: none"><li>Tutored first and second year students of the university in their Mathematics courses.</li><li>Provided lecturing assistance on first year Descriptive Statistics course.</li></ul>
Aug. – Sept. 2015	Data Analyst (Student Intern)    KWARA STATE BUREAU OF STATISTICS, ILORIN, NIGERIA <ul style="list-style-type: none"><li>Analyzed statistical data using Microsoft Excel and SPSS</li></ul>

## HONORS, AWARDS, SCHOLARSHIPS AND FELLOWSHIPS

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2020 – Present	Ph.D. Student    IMT SCHOOL FOR ADVANCED STUDIES LUCCA Receiving full sponsorship and scholarship for research work as a Ph.D. student.
2019 – 2020	Master’s Student    AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, RWANDA Received full scholarship from Google and Facebook as a Master’s student in Machine Intelligence.
July 2020	Conference Attendance    INTERNATIONAL CONFERENCE ON MACHINE LEARNING (ICML) Recipient of Diversity and Inclusion Fellowship to attend the 2020 ICML virtual conference.
August 2020	Conference Attendance    EUROPEAN CONFERENCE ON COMPUTER VISION (ECCV) Won a complimentary delegate pass from Google Research to attend the 2020 ECCV virtual conference.
2017 – 2018	Master’s Student    AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, CAMEROON Received the Mastercard Foundation Scholarship.
December 2016	Award of Excellence    KWARA CLASS OF HONORS, KWARA, NIGERIA With cash award for performing exceptionally and earning a First Class Honors in Mathematics at the University of Ilorin, and for being a great ambassador of Kwara State, Nigeria.

April 2016	Silver Medalist	NATIONAL MATHEMATICS COMPETITION FOR UNIVERSITY STUDENTS (NAMCUS)
	NAMCUS is a competition organized by the National Mathematical Centre, Abuja, Nigeria for the next generation Nigerian Mathematicians. Number of participating universities is up to 30 and each university has 4 contestants each of whom compete in the areas of Algebra, Complex Analysis, Real Analysis, Functional Analysis and Differential Equations.	
2014 – 2016	Undergraduate Scholarship	MTN FOUNDATION (MTNF), NIGERIA
	Won the MTN Foundation (MTNF) Science and Technology Scholarship Scheme award.	

## PUBLICATIONS

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### CONFERENCE AND JOURNAL PUBLICATIONS

1. J.U. Abubakar & **A.D. Adeoye**. Effects of Radiative Heat and Magnetic Field on Blood Flow in an Inclined Tapered Stenosed Porous Artery. In *Journal of Taibah University for Science*, 14:1, 77-86, DOI: 10.1080/16583655.2019.1701397.

## SKILLS

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- Strong knowledge of Python programming language with a focus on mathematical, statistical, and machine learning libraries and frameworks such as NumPy, SciPy, pandas, PyTorch, CVXPY, CVXOPT, and CasADi.
- Adequate working knowledge in Maple, MATLAB, Wolfram Mathematica, L<sup>A</sup>T<sub>E</sub>X, SageMath, Visual Studio Code, JupyterLab, and Git.
- Operating Systems: Linux and Windows.

## EXTRACURRICULAR ACTIVITIES

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2015 – 2016	Quiz and Debate Club	UNIVERSITY OF ILORIN, ILORIN, NIGERIA
	Member of the Faculty of Physical Sciences Quiz and Debate Club, and Coordinator of the debate team in the 2015/2016 academic session.	

## REFERENCES

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1. Prof. Alberto Bemporad  
Professor of Control Systems, IMT School for Advanced Studies Lucca, Italy  
✉ alberto.bemporad@imtlucca.it
2. Prof. Marco Garuti  
Academic Director and Lecturer, African Institute for Mathematical Sciences (AIMS), Cameroon  
Professor of Algebraic Geometry, University of Padova, Italy  
✉ marco@aims-cameroon.org
3. Dr. Jos Usman Abubakar  
Senior Lecturer, University of Ilorin, Ilorin, Nigeria  
✉ abubakar.ju@unilorin.edu.ng