curriculum vitæ of
Adeyemi Damilare ADEOYE
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EDUCATION

Nov. 2020 – Present	**Ph.D.** in Computer Science and Systems Engineering IMT SCHOOL FOR ADVANCED STUDIES LUCCA, ITALY

Advisor: Prof. Alberto Bemporad

2019 – 2021	**M.Sc.** in Machine Intelligence AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, RWANDA

Final essay: "A Deep Neural Network Optimization Method via a Hihghway Traffic Model."
Supervisor: Asst.-Prof. Philipp Petersen (University of Vienna)

2017 – 2018	**M.Sc.** in Mathematical Sciences (Good Pass) 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." (Grade: Distinction)
Supervisor: Dr. Jos Usman Abubakar (University of Ilorin, Ilorin, Nigeria)

2012 – 2016	**B.Sc.** in Mathematics (First Class Honors) UNIVERSITY OF ILORIN, ILORIN, NIGERIA

Final year project: "On Some Finite Difference Methods for Solving Partial Differential Equations." (Grade: A)
Supervisor: Dr. Babatunde Morufu Yisa (University of Ilorin, Ilorin, Nigeria)

TEACHING AND PROFESSIONAL EXPERIENCE

June – Sept. 2019	Academic Staff (STEM Learning Facilitator) INSPIRE PARADIGM ACADEMY, YOLA, NIGERIA

- Delivered STEM-oriented instruction through Project-Based Learning methods towards curriculum objectives and academic achievement.
- Evaluated students' performance assessments and provided feedback on the development of students.

2016 – 2017	Teaching Assistant (National Service) MOUNTAIN TOP UNIVERSITY, OGUN, NIGERIA

- Tutored first and second year students of the university in their Mathematics courses.
- Provided lecturing assistance on first year Descriptive Statistics course.

Aug. – Sept. 2015	Data Analyst (Student Intern) KWARA STATE BUREAU OF STATISTICS, ILORIN, NIGERIA

- Analyzed statistical data using Microsoft Excel and SPSS.

HONORS, AWARDS, SCHOLARSHIPS AND FELLOWSHIPS

2020 – Present	Ph.D. Studentship	IMT SCHOOL FOR ADVANCED STUDIES LUCCA
2019 – 2020	Graduate Studentship	AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, RWANDA

Sponsor(s): Google and Facebook.

July 2020	Conference Attendance	INTERNATIONAL CONFERENCE ON MACHINE LEARNING (ICML)

Diversity and Inclusion Fellowship to attend the 2020 ICML virtual conference.

August 2020	Conference Attendance	EUROPEAN CONFERENCE ON COMPUTER VISION (ECCV)

Complimentary delegate pass from Google Research to attend the 2020 ECCV virtual conference.

2017 – 2018	Graduate Studentship	AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES, CAMEROON

Sponsor(s): Mastercard Foundation.

December 2016	Award of Excellence	KWARA CLASS OF HONORS, KWARA, NIGERIA

With cash award for earning a First Class Honors in Mathematics at the University of Ilorin.

April 2016	Silver Medal	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 participants: Up to 30 universities, 4 contestants each. Focus areas: Algebra, Complex Analysis, Real Analysis, Functional Analysis and Differential Equations.

2014 – 2016	Undergraduate Scholarship	MTN FOUNDATION (MTNF), NIGERIA

Award: MTN Foundation Science and Technology Scholarship Scheme.

Publications

1. **Adeoye, Adeyemi D.** & Alberto Bemporad. SC-Reg: Training Overparameterized Neural Networks under Self-Concordant Regularization (**2021**). *arXiv preprint*, arXiv:2112.07344.

2. J.U. Abubakar & **A.D. Adeoye**. Effects of Radiative Heat and Magnetic Field on Blood Flow in an Inclined Tapered Stenosed Porous Artery (**2020**). In *Journal of Taibah University for Science*, 14:1, 77-86, DOI: 10.1080/16583655.2019.1701397.

Skills

- Strong knowledge of **Python** programming language with a focus on mathematical, statistical, and machine learning libraries and frameworks such as NumPy, SciPy, pandas, PyTorch, and TensorFlow.

- Working knowledge of **Julia** programming language with a focus on scientific and machine learning stacks and software such as FluxML and SciML.

- Working knowledge of LaTeX, Visual Studio Code, JupyterLab, and Git.

- Working knowledge of Maple, MATLAB, Wolfram Mathematica, and SageMath.

- Operating Systems: Windows and Linux.

Extracurricular Activities (Past and Present)

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

Available on request.