

DANIEL NKEMELU

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EDUCATION

Georgia Institute of Technology, GA Ph.D. in Human-Centred Computing Advisors: Prof. Mike Best & Prof. Irfan Essa	Expected 2023
Carnegie Mellon University Africa M.S. in Electrical and Computer Engineering (Course-Based)	May 2019
University of Ibadan, Nigeria B.S. in Computer Science Overall Best Graduating Student	Dec 2016

RELEVANT COURSEWORK

Social Computing, Natural Language Processing for Social Interaction, Human-Centred Computing, Deep Learning, Machine Learning, Applied Stochastic Processes, Research Methods in Engineering, Big Data Science, Data Structures and Algorithm for Engineers, Applied Computer Vision

RESEARCH EXPERIENCE

Georgia Institute of Technology <i>Graduate Research Assistant</i>	Aug 2019 - Present <i>Atlanta, GA</i>
Exploring human-centred ways of developing context-aware machine learning tools for preserving online integrity in the Global South. Ongoing system deployment in Myanmar.	
IBM Research Africa <i>Research Intern</i>	Sep 2018 - Dec 2018 <i>Nairobi, KE</i>
Used machine learning and data mining techniques to identify novel ways for efficient utilization of high performance computing resources in the exploration of effective malaria policy interventions in low-resourced contexts. Presented demonstration at NeurIPS 2018.	

SELECTED AWARDS

AI4D-IndabaX grant for work on COVID-19 Misinformation in Nigeria, \$5000 - 2020
CRA Underrepresented Minorities and Persons with Disabilities Grad Cohort Workshop - 2020
MasterCard Foundation Scholarship, Masters Program, Carnegie Mellon University, 2017 - 2019
MasterCard Foundation Scholarship, Sciences Po (Paris Institute of Political Studies) Summer School in Public Economics, Paris, France; 2018
Overall Best Graduating Student, University of Ibadan, Nigeria; CGPA: 7.0/7.0, 2016
Etisalat Merit Award for Academic Excellence, 2016
Most Outstanding Person - Academic, University of Ibadan Fifteen Outstanding Persons Award, Junior Chamber International, 2016

Overall Best Graduating National Diploma Student, Yaba College of Technology, Nigeria; CGPA: 3.8/4.0, 2013

RESEARCH

Conference Proceedings

Aug 2020

Irish I, Finkelberg R., **Nkemelu, D.**, Gujrania S., Padiyath A., Raman S., Tailor C., Arriaga R., Starner T. (2020) PARQR: Automatic Post Suggestion in the Piazza Online Forum to Support Degree Seeking Online Masters Students. In Proceedings of the Seventh (2020) ACM Conference on **Learning@Scale**.

Demonstration

Dec 2018

Bent, O., Remy, S., Bore, N., **Nkemelu, D.**, Ogega, V., Weldemariam, K. and Roberts S. (2018) A Machine Learning Environment to Determine Novel Malaria Policies. The Thirty-second Annual Conference on Neural Information Processing Systems (**NeurIPS '18**), Montreal, Canada.

Workshop Papers & Posters

Dec 2018

Nkemelu, D., Omeiza, D., Lubalo, N. (2018) Deep Convolutional Neural Network for Plant Seedlings Classification. 2nd Black in AI Workshop @ The Thirty-second Annual Conference on Neural Information Processing Systems (**NeurIPS '18**), Montreal, Canada.

ONGOING RESEARCH

Human-AI Collaboration for Tackling Hate and Dangerous Speech in Myanmar
with Michael Best, Irfan Essa, Harshil Shah

Policy v Identity Politics Online: The Case of Ghana 2020 Elections
with Michael Best, Irfan Essa

Other Collaboration

Characterizing Health Misinformation in Nigeria - funded by AI4D-IndabaX
with Ezinne Nwankwo, Ofure Ebhomien

Mentor-Mentee Matching to Improve Representation in AI - funded by Black in AI
with Rediet Abebe, Moses Namara

Decolonizing Digital Mental Health
with Sachin Pendse, Neha Kumar

CERTIFICATES

Summer Program in Public Economics, Sciences Po - Paris Institute of Political Studies, France, 2018
National Diploma in Computer Science, Yaba College of Technology, Nigeria, 2013

SERVICE

Reviewer - Practical ML for Developing Countries Workshop @ ICLR 2020

Co-Organizer - Black in AI Workshop @ NeurIPS 2018, 2019

Co-Organizer - Black in AI Mentoring Program w/ Rediet Abebe and Moses Namara, 2019, 2020

Reviewer / Member - MasterCard Foundation Scholars Research Fund Sub-Committee, 2018