

DANIEL NKEMELU

RM 327, Technology Square Research Building, Atlanta, GA, 30308

+1 (404) 488-6043 ◊ dnkemelu@gatech.edu

EDUCATION

Georgia Institute of Technology, GA

Expected 2023

Ph.D. in Human-Centred Computing

Advisors: Prof. Mike Best & Prof. Irfan Essa

Carnegie Mellon University, PA

May 2019

M.S. in Electrical and Computer Engineering

University of Ibadan, Nigeria

Dec 2016

B.S. in Computer Science

Overall Best Graduating Student

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

Aug 2019 - Present

Graduate Research Assistant

Atlanta, GA

Exploring human-centred ways of developing context-aware machine learning tools for building online integrity in the Global South

IBM Research Africa

Sep 2018 - Dec 2018

Research Intern

Nairobi, KE

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.

SELECTED AWARDS

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** (to appear).

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.

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, 2019, 2020

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