

Martin Mubangizi Gordon

Department of Computer Science, College of Computing and Information Science, Makerere University. P.O. Box 7062, Kampala, Uganda.

Tel: +256 782 705895.

<http://www.cit.mak.ac.ug/cs/aigroup/mmubangizi>

Date: 10/11/2013

Education

Currently, Makerere University, Department of Computer Science, Kampala, Uganda

Course: PhD in Computer Science

Supervisor: John Quinn (Dr.)

Topic: Prediction of Disease incidence Using Spatio-Temporal Dynamic Bayesian Networks

2002 - 2005, University of Pune, Department of Computer Science, Pune, India.

Course: Master of Computer Applications (MCA)

Main Areas: Computer Science and Software engineering

1998 – 2001, Mbarara University of Science and Technology, Faculty of Science Education Mbarara, Uganda.

Course: Bachelors of Science with Education, (2nd Class Upper)

Main Areas: Physics & Mathematics, Education

Statement of Accomplishment, Online Machine learning course (ml-class.org), Offered by Stanford University, 2011

Publications

- Coupling Spatiotemporal Disease Modeling with Diagnosis. M. Mubangizi, C. Ikae, A. Spiliopoulou, and J. A. Quinn, (2012). Won the Community Computing Consortium Outstanding student Award in the Computational Sustainability and AI track at twenty-sixth AAAI conference in Toronto, Ontario, Canada.
- Computational Prediction of Cholera Outbreaks. M. Mubangizi, E. Mwebaze, and J. A. Quinn, (2009). Proceedings of 5th International Conference on Computing and ICT Research.

Employment Record

- 2005 – to date: Lecturer, Department of Computing and Information Technology, Nkumba University Entebbe, Uganda

Tasks: Lecturing, Research, Development and review of Course content and materials, Assessment, Evaluation, Project Supervision, Counselling, and Students Motivation

Courses taught: Undergraduate - Database Management System, Object Oriented Programming, Internet and Web page Design, Dynamic Website Design, Distributed Computing, Fundamental of Structured Programming, Computer Applications, Introduction to Computers and User Interface Design. **Graduate:** Object Oriented Programming with Java, Survey of Programming Languages, Dynamic Website Technology

- *Semester I 2012/2013: Course leader of the Data Management group, School of Computing and Informatics Technology*
- *2005 -2009: Part Time Lecturer school of Computing and Information Technology, Makerere University Kampala Uganda.*
Tasks: Lecturing, Research, Development and review of Course content and materials, Assessment, Evaluation, Project Supervision, Counselling, and Students Motivation
Courses taught: Information System Development (undergraduate), System Analysis and Design (undergraduate), Web Application Engineering (undergraduate) and Internet Programming (graduate).
- *2004 - 2005: Software Developer/Software Engineer (Trainee) six months- National Centre for Cell Science, India*
Tasks: Installing and Configuring the PostgreSQL Database, Apache Tomcat JSP/Servlet Engine, and Web Server Components; System Analysis and Design; Developing Test Cases; Coding; Integration and Testing; implementation; user training and Documentation.
- *2001-2002: Physics, Mathematics and computer studies Teacher, assistant Head of Computer Department, and PMM Girls School Jinja*

Membership to Professional Societies

- Association for the Advancement of Artificial Intelligence (AAAI)
- Artificial Intelligence in Developing Countries (AI-DEV)-formally Machine Learning Research group, Makerere University (<http://www.cit.mak.ac.ug/cs/aigroup>)

Awards and Achievements

- July 2012, Won the Community Computing Consortium Outstanding student Award in the Computational Sustainability and AI track at twenty-sixth AAAI conference in Toronto, Ontario, Canada.

Research Visits

2th October 2012 – 14th October 2012, University of Sheffield, Machine Learning Laboratory Working with Professor Neil Lawrence and Ricardo Andrade Pacheco PhD. Candidate.

Workshops/Summer Schools Attended

5th February 2013, *Earth Observation and Environmental modeling for the Mitigation of Health risks EO2HEAVEN Training Workshop, Kampala.*

Organised by: Makerere University, College of Health Sciences; and Ministry of Health, Epidemiological Surveillance Division in Collaboration with EU partners.

June 3-14, 2013, *Clinic on the Meaningful Modeling of Epidemiological Data, Muzienberg, Cape Town South Africa*

Organised by: International Clinics on Infectious Disease Dynamics and Data in conjunction with the University of Florida (UF), DST/NRF Centre of Excellence in Epidemiological Modeling and Analysis (SACEMA) and African institute of Mathematical Sciences (AIMS)

6th- 9th August 2013 Gaussian Processes Summer School at Makerere University, Kampala, Uganda
presided over by: Prof Neil Lawrence from the University of Sheffield.

Programming skills

- MatLab, Python, C, C++, KML, GML, Java, R-programming and web programming, arcgis programming

Research Interests

- Artificial Intelligence, Machine Learning, disease modeling, disease mapping, GIS, Databases, Data Mining and Geo-Statistics, remote sensing