

CURRICURUM VITAE

BIO DATA

NAME: NINYESIGA ALLAN
D.O.B: 1ST DECEMBER 1992
GENDER: MALE
RELIGION: ANGLICAN
NATIONALITY: UGANDAN
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PROFESSIONAL PROFILE

Ninyesiga is a passionate and self-motivated person with excellent interpersonal and academic skills and the ability to communicate concisely and articulately with clients and colleagues with high integrity. He embraces strong knowledge in computing field with a Bachelor's degree in Computer Science (Hons) of Makerere University and a Master's degree in Computing from Uganda Technology and Management University. His Masters research was entitled "Behavioral Malware Detection by Data Mining". Ninyesiga enjoys being part of successful and productive team whilst demonstrating strong leadership potential in a highly competitive and demanding industry sector. He currently head the department of Computer Science and Engineering where he has well demonstrated his leadership skills. He is also applying for PhD in Computer Science and much passionate in acquiring his PhD as soon as possible. Lastly, Ninyesiga enjoys teamwork in solving real life problems plus working under minimal supervision.

OBJECTIVE

I am currently seeking a new challenge that will put my professional skills to use for the good of the academia, the industry, the society as well as enhancing my career as a computer scientist.

ACADEMIC QUALIFICATIONS

Period	Institution	Qualification
2015-2017	Uganda Technology and Management University	Hons Masters in Computing with Security
2011-2014	Makerere University	Hons Bachelors Degree of Science in Computer Science
2009-2010	St.Kaggwa Bushenyi High School	Uganda Advanced Certificate of Education (UACE)
2005-2008	St.Kaggwa Bushenyi High School	Uganda Certificate of Education (UCE)

OTHER TRAININGS AND COMPETITIONS

Period	Training	Organizers
29th March 2018	Deep Learning IndabaX Uganda	Uganda Technology and Management University
January, 2017	African Grand Challenge in Computing, data Science and Technology	Nelson Mandela Institute of Science and Technology.
January, 2016	Android Application Development	UTAMU University
November, 2015	Cyberoam Certified Network & Security Professional-CCNSP	UTAMU University
October, 2013	ICT challenge in Uganda	Green Bridge School of Open Technologies
September, 2012	Google Mobile Boot Camp	Makerere University and Strathmore University
June-August, 2012	Cisco Certified Network Associate (CCNA)	Makerere University

WORK EXPERIENCE

PERIOD: November, 2017-to date

ROLE: Head of Department Computer Science and Engineering

ORGANIZATION: Uganda Technology and Management University

KEY ACTIVITIES:

- Supporting the Dean of the School of computing and Engineering in the day to day administration of the School including;
 - Ensuring all activities are carried out to the highest possible standards and put in place necessary evaluation and monitoring procedures to ensure both compliance and improvement.
 - Provision of the best possible student experience through the fulfilment of the University's responsibilities concerning students in respect of their education at UTAMU, progress and examinations.
 - Spearhead the curriculum review of programs under department in order to attract new students.
 - Following up with lecturers to ensure that end of semester examinations are submitted according to the deadline given as per University Almanac.
 - Responsible and accountable for setting and advancing the academic strategy of the Department in line with school and University strategic plans and direction.
 - Give due consideration to ways of retaining connections with teaching at both undergraduate and postgraduate levels.
 - Being a liaison between the staff and students under the department.
 - Promoting and representing the university both internally and externally.
 - Appropriate and effectively manage the Department budgets.
 - Ensuring the activities of the Department are Undertaken in accordance with governance, policy and regulatory frameworks of the University and the law.

PERIOD: November, 2017-to date

ROLE: Lecturer School of Computing and Engineering

ORGANIZATION: Uganda Technology and Management University

KEY ACTIVITIES:

- Planning and preparing for lecturers as per UTAMU quality assurance guidelines.
- Teaching different computing courses including;
 - Data Science Practicum

- Machine Learning and Artificial Intelligence
 - Crypto Systems and cryptology
 - Information, Data, Network and Software security
 - Database Management systems
 - Probability and Statistics
 - Structured Programming/ Python programming
 - Object Oriented Programming
 - Systems Programming
 - Computer Architecture
 - Computer Networks and Data Communications,
 - Computer Applications
 - Among others.
- Developing online courseware for all courses assigned and upload them the Virtual Learning Environment.
 - Offer online support as well as face-to-face support for students.
 - Participate in supervising and guiding students during their research projects.
 - Participating in all school activities related to academics including student assessment, research and outreach projects.
 - Engage in academic research within research strategy of the School of Computing and Engineering.
 - Undertake research publication of all research outputs; organize research seminars, workshops and conferences where possible.
 - Perform any other academic research related duties assigned by the H.O.D

PERIOD: September, 2015- October, 2017

ROLE: Graduate Intern/ Tutorial Assistant

ORGANIZATION: Uganda Technology and Management University

KEY ACTIVITIES:

- Teaching different Courses mentioned above.
- Supervising Undergraduate Research Projects.
- Being part of the panelists for undergraduate proposal and final projects defense.

PERIOD: January – May 2015

ROLE: Researcher

ORGANIZATION: Research World International Uganda

KEY ACTIVITIES: which include:

- Baseline surveys/ feasibility studies
- Data collection and analysis

PERIOD: August- September 2014

ROLE: National Population and Housing Census Data Analyst

ORGANIZATION: Uganda Bureau of Statistics

KEY ACTIVITIES: which include:

- Collect demographic, economic and housing data.
- Create survey sheets or work on predefined surveys to gather census information
- Identify and report any issues that may arise while attempting to obtain valid data
- Review each completed questionnaire for accuracy.

PERIOD: June- August 2013

ROLE: IT Intern

ORGANIZATION: Ministry of Works and Transport

KEY ACTIVITIES: which include:

- Being a central resource for desktop software distribution for both Employees and Admin networks
- Being available via phone (mobile or landline) during normal work hours
- Liaise with the Software Development Team, in conjunction with the Senior Manager, to provide hardware and software resources for projects etc.
- Managing updates and fixes to various systems outside normal staff working hours as appropriate, providing direction for the IT Support Specialist

PUBLICATIONS

- Ninyesiga, A., & Ngubiri, J. (2018). Malware Classification using API System Calls. *International Journal of Technology and Management*, 3(2), 9-9.
- Ninyesiga, A., & Ngubiri, J. (2018). *Behavioral Malware Detection by Data Mining*. LAP LAMBERT Academic Publishing.

- A.Ninyesiga, (2016). Improved Heuristics for Malware Detection, Research paper on Computer Security in 3rd International Conference of Technology and Management.

SKILLS

- ICT specialist
- Lecturing skills
- Data Science and analysis skills
- Computer security skills
- Software application development
- Computer networking skills (Cisco Certified Network Associate).
- Database management skills (SQL Server and MYSQL).
- Excellent computer literacy skills including all Microsoft office packages (word, excel, access, power point, publisher and outlook).
- Computer management skills including troubleshooting both hardware and software problems as well operating systems.
- Good counseling and leadership skills on academic related issues.

INTERESTS

- **Work:**
 - Exhibiting confidence and responsibility at work
 - Working under less supervision
 - Team work and coordination
- **Leisure time:**
 - Prayers
 - Soccer, Series, latest ICT news
 - Doing some future predictions

LANGUAGES

Language	Speaking	Writing	Reading
English	Good	Very Good	Very Good
French	Fair	Fair	Fair
Kiswahili	Fair	Fair	Fair
Runyakiitara	Very Good	Very Good	Very Good
Luganda	Good	Good	Good

REFERENCES

1. Professor Muwanga Zake
Dean School of Computing and Engineering
Uganda Technology and Management University
Contact: 0788485749
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2. Dr. John Ngubiri
Lecturer School of Computing
Makerere University
Contact: 0776543466
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3. Ms. Mary Komunte
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Uganda Technology and Management University,
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