

CURRICULUM VITÆ

Personal information	
First name(s) / Surname(s)	Peter Juma Omollo
Address	Hospital Road P.O. Box 2136 – 00202, Nairobi (kenya)
Mobile	254722809421
E-mail(s)	pjuma@uonbi.ac.ke ,
Linkedin	https://www.linkedin.com/in/peterjuma
Nationality	Kenyan
Date of birth	03 November 1968
Gender	Male
Marital Status	married with children
Occupational field	
ICT for education and development	
Technical & Team Management experience	
Dates	14 October 2011 → date
Occupation or position held	Snr. ICT Officer (in ADD, Officer In Charge of KS Campus, Now in main campus including CHSS)
Main activities and responsibilities	<p>Service provider management</p> <ul style="list-style-type: none"> ■ Review incidents and service needs from across the campus and ensure appropriate handling ■ Ensure IT procedures are harmonised, documented, published, understood and followed by staff and IT service providers ■ Ensure Service providers are meeting their contractual commitments ■ Ensure continual service improvement plan with keen interest on stakeholders' feedback. ■ Provide IT service reporting to supervisors on demand. ■ Assist with supplier selection and evaluation process <p>End user support</p> <ul style="list-style-type: none"> ■ Engage with users & stakeholders from across the organization to ensure their IT needs are understood and being met. ■ Continually review IT tools and technologies (hardware, software, applications) to ensure they are fit for purpose ■ Assist with end user support issues, escalating where necessary <p>Team Management</p> <ul style="list-style-type: none"> ■ Manage a team of ICT support personnel ■ Ensure team members are delivering against set objectives. ■ Engage in performance and appraisal issues with team members ■ Working together to Build & develop the team to ensure updated skills and capabilities <p>Project Work</p> <ul style="list-style-type: none"> ■ Scope, plan and manage small IT projects ensuring commitment ■ Scope, commission and oversee projects from 3rd party service providers ■ IT representative/lead on other related projects in the institution. ■ Reporting project progress to Supervisors. <p>Other responsibilities</p> <ul style="list-style-type: none"> ■ Ensure Conference/Meeting Room IT/AV is functional, tidy and documented(Tower,Taifa Hall) ■ Acts as an escalation point for IT issues and incidents. ■ Audit automation, Exhibition, marketing and E procurement Coding Team member. ■ Input in the preparation of budgets and forecasts for IT.

Name and address of employer	University Of Nairobi University Way, P.O. Box 30197 – 00100, Nairobi (Kenya), WP: http://www.uonbi.ac.ke
Type of business or sector	Academic Institution
Dates	August 2015 → January 2016 (Part time)
Occupation or position held	GIS Mentor, Geographic Information systems Mentorship Program, Under project “Developing ICT Research Skills and Institutional Capacity in Kenya”
Main activities and responsibilities	<ul style="list-style-type: none"> ■ Ensuring that the student researchers are able to successfully incorporate acquired GIS knowledge and skills to their own research. ■ Assisting students in the analysis and application of GIS in their research. ■ Assisting students to integrate ICT into their research work. ■ Heading a bi-weekly club critiquing ICT-integrated research studies. ■ Enforcing reading of journal articles which demonstrate the successful application and integration of ICT tools and technology. ■ Helped the students give an oral presentation of their research work at the University of Nairobi STD/AIDS Collaborative Group Conference held at Nairobi in 2015.
Name and address of employer	Developing ICT Research Skills and Institutional Capacity in Kenya funded by National Institutes of Health Fogarty International centre to provide training courses for Kenyan Health Researchers and implemented by University Of Nairobi, university of Washington and KNH
Type of business or sector	Academic Institutions and Research
Dates	15 March 2006 → 14 October 2011
Occupation or position held	ICT Officer
Main activities and responsibilities	<p>2009-2011 – Main Campus and 2006-2009 - CHS</p> <p>User Support and ICT maintenance and Support in the Campuses (Worked in six Locations on Rotation Basis)</p> <p>i] Network Support</p> <ul style="list-style-type: none"> ■ Managing segments of Local Area Networks. ■ Survey and preparation of campus sites for network extensions and also supervising and supporting ICT related University computer network contracts and related Projects. ■ Assisting users in requirement specification and material acquisition for Networks. ■ Implementation and testing of Network extension projects. <p>ii] User Training</p> <ul style="list-style-type: none"> ■ Continuously surveying and identify ICT user skills' requirements and inadequacies (numbers and areas) ■ Playing part in developing of ICT training curriculum and course materials. ■ Organizing and ensuring trainers and training facilities are available. <p>iii] PC and User Peripheral</p> <ul style="list-style-type: none"> ■ Providing users with hardware & software specifications and acquisition guidance. ■ Installation, configuration and support of personal computers, software and user peripherals (hardware; OS; drivers; and core applications) ■ Configuration for access of network services (anti-virus, OS updates, Internet; email, MIS) ■ Diagnostics and troubleshooting of ICT and ICT related devices. <p>iv] Hardware Maintenance</p> <ul style="list-style-type: none"> ■ Ensuring all ICT equipment procured are on Warranty and Guarantee agreements before use. ■ Acquisition of spares and parts for minor repair. ■ Repair and maintenance of ICT equipment. ■ Play Part in Enforcement of the Hardware Maintenance Policy. ■ Provision of technical advice to users on ICT hardware matters
Name and address of employer	University Of Nairobi University Way, P.O. Box 30197 – 00100, Nairobi (Kenya),), WP: http://www.uonbi.ac.ke
Type of business or sector	Academic Institution
Dates	1 January 2004 → 13 March 2006(Locum)
Occupation or position held	ICT Officer and Data Staff
Main activities and responsibilities	<ul style="list-style-type: none"> ■ Preparing data entry tools for data collection and assisting in analysis.

	<ul style="list-style-type: none"> ■ Evaluating User needs and providing solutions addressing systems' skills and support to promote greater availability, accessibility and effective dissemination and use of information. Developing and implementing user feedback processes to address user needs, concerns and improving service. ■ Installing and maintaining Hardware and software. ■ Analysing and solving System problem ■ Performing system troubleshooting at all levels including network protocols, database connectivity, and system bottlenecks, etc. ■ Assisting users in Running computer programs, generating user reports and making backup copies of systems & data files. ■ Working with users to affect a timely update of database and web content.
Name and address of employer	CHS, Under different Projects, University Of Nairobi University Way P. O. Box 19676-00202, 254 Nairobi (Kenya)
Type of business or sector	Academic Institution
Dates	1 January 1998 → December 2001(locum)
Occupation or position held	Cyber/computer Lab Administrator
Main activities and responsibilities	<ul style="list-style-type: none"> ■ Installing and maintaining Hardware and Software
Name and address of employer	CHS, Project, University Of Nairobi University Way P. O. Box 19676-00202, 254 Nairobi (Kenya)
Type of business or sector	Academic Institution
Publications/ Presentations/Co-authorship	<p><i>"Spatial-temporal trend and associated factors for mother to child transmission (MTCT) of HIV in Western Kenya, 2007-2013"</i> Univ Nairobi HIV/AIDS Collaborative Centre Annual Meeting 2016</p> <p>"Influence of Distance and Income on Pediatric HIV Test Uptake and Selection of Home Testing" <i>Univ Nairobi HIV/AIDS Collaborative Centre Annual Meeting 2016</i></p>
Education and training	
Dates	02 May 2011 – Dec 2012(has finalised on an in-depth research awaiting Graduation)
Title of qualification to be awarded	MSc. in Computer Science
occupational skills covered	More than 12 Units in computer science and management of Information
Name and type of organisation providing education and training	University of Nairobi
Level in national or international classification	University
Dates	01 May 2006 - 25 December 2008
Title of qualification awarded	BSc. in Information Technology – Second class honours (Upper Division)
Principal subjects / occupational skills covered	More than 40 Units of Information Technology.
Name and type of organisation providing education and training	Jomo Kenyatta University of Agriculture and Technology (JKUAT) Thika Road, Nairobi (Kenya)
Level in national or international classification	University
Dates	1 May 2002 – 25 December 2003
Title of qualification awarded	Diploma in Information Technology – Credit
Principal subjects / occupational skills covered	25 Units of Information Technology
Name and type of organisation providing education and training	Jomo Kenyatta University of Agriculture and Technology (JKUAT) Thika Road, 254 Nairobi (Kenya)

Level in national or international classification	University
Dates	18 February 1993 - 22 November 1996
Title of qualification awarded	K.C.S.E.
Principal subjects / occupational skills covered	Mathematics, English, Kiwahili, Biology, Chemistry, Agriculture, History and Government, Commerce and Geography.
Name and type of organisation providing education and training	Kuoyo Kochia Secondary School Kendu Bay/Homa Bay Road, 549 Homa Bay (Kenya)
Level in national or international classification	Secondary
Relevant and Professional/Short Courses	ICT Certifications & relevant Certificates for User support in Teaching and Research
Dates	Nov to Dec 2018
Title of qualification awarded	HCNA
Principal subjects / occupational skills covered	Huawei Certified Network Associates
Name and type of organisation providing education and training	ICTC UoN Huawei Academy
Dates	January to March 2018
Title of qualification awarded	Introduction to Network Operations UNIX/Linux, Networking and DNS Course
Principal subjects / occupational skills covered	UNIX/Linux, Networking and DNS
Name and type of organisation providing education and training	Internet Society
Dates	July 2017-september 2017
Title of qualification awarded	Specialised Training Programme in Information and Network Security

Principal subjects / occupational skills covered	<p>Information Security</p> <ul style="list-style-type: none"> ■ Physical Security, Operations Security, Business Continuity Planning, Disaster Recovery Planning <p>Secured Administration</p> <ol style="list-style-type: none"> 1. Windows Servers Security <ul style="list-style-type: none"> ■ Active Directory, Group Policy, Authentication, PKI, Content Security, Patch Management, Auditing & Intrusion Detection, Web Server Security, Windows OS Hardening, Application Security Tools: Spam Guards for E-Mail, Virus Scanners, Anti Spyware 2. Linux Servers Security <ul style="list-style-type: none"> ■ Basic service security, Securing BIND and DNS, Network user authentication security, Improving NFS security, Protocol and service security, Web and FTP security, Cryptographic techniques, File Encryption <p>Secured Connectivity</p> <ol style="list-style-type: none"> 1. Securing Network with Routers and Switches <ul style="list-style-type: none"> ■ Identifying Layer 2 Threats and Implementing Layer 2 security, Mitigation techniques for common layers' router security threats, Identify the appropriate devices to secure a network, Configure router for secure administrative access. 2. Assessing Network <ul style="list-style-type: none"> ■ Security Planning, Reconnaissance, Verification of Perimeter Components, Vulnerability Analysis, Results Analysis, using open source tools for Vulnerability assessment. ■ Roles of Network IDS/IPS in a Perimeter Defence ■ Intrusion Detection Software's, IDS placement, Host defence Components, NIPS Deployment Recommendations, IDS Sensor Placement. 3. Firewalls <ul style="list-style-type: none"> ■ Firewalls Types, De-Militarized Zones and Screened Subnets 4. Virtual Private Networks <ul style="list-style-type: none"> ■ Security Zones, VPN Methodology, IPSec Basics, using IKE, Deployment scenarios <p>Information System Security</p> <ol style="list-style-type: none"> 1. Separating Resources <ul style="list-style-type: none"> ■ Security Zones, Clients Separation, and VLAN Boundary, Use of Private Virtual LANs 2. Designing A Secure Network Perimeter <ul style="list-style-type: none"> ■ Gathering Design Requirements, Design Elements for Perimeter Security, Secure Architecture Recommendation, Case Studies 3. Wireless Network Security <ul style="list-style-type: none"> ■ Wireless Standards, Deploying Secure Wireless Architecture 4. Security Policy Management <ul style="list-style-type: none"> ■ Elements of Policy, Risk assessment and Development Policy. Security Policy standards and Regulatory Guidelines, ISO- 17799 5. Maintaining and Monitoring Security <ul style="list-style-type: none"> ■ Impact of Encryption and DoS attacks on secure Network Architecture. Improving performance, Real-Time Performance Monitoring, Network Log Analysis, System and Network Monitoring, Logging Solutions for Enterprise, Events correlation and analysis tools, techniques and strategies for detecting, preventing, and mitigating the damage from Internet-borne threats
Name and type of organisation providing education and training	Centre for Development of Advance Computing - Mohali, India
Level in national or international classification	A scientific society of Ministry of electronics and Information Technology, Government of India.
Dates	October 2016 – December 2016
Title of qualification awarded	Oracle Certified Associate(Courses)
Principal subjects / occupational skills covered	Oracle Database 12C:SQL fundamentals. Oracle Database 12C : Administration.
Name and type of organisation providing education and training	C4D, University of Nairobi
Dates	29 th March 2016 – 30 July 2016
Title of qualification awarded	Principles and Practice of Research Management and Communication Tools Course
Principal subjects / occupational skills covered	Technology supported Research
Name and type of organisation providing education and training	University of Washington

Dates	18 th January 2016 –29 th April , 2016
Title of qualification awarded	Principles and Practice of Research Data Management
Principal subjects / occupational skills covered	Technology supported Research
Name and type of organisation providing education and training	University of Washington
Dates	31 st August 2015 – 4 th September, 2015
Title of qualification awarded	GIS for Health Researchers Workshop
Principal subjects / occupational skills covered	Technology supported Research
Name and type of organisation providing education and training	University of Washington
Dates	11 th May 2015 – 25 th August, 2015
Title of qualification awarded	Introduction to GIS for Health Researchers
Principal subjects / occupational skills covered	Technology supported Research
Name and type of organisation providing education and training	University of Washington
Dates	2 nd February 2015 - 2 nd April, 2015
Title of qualification awarded	Creative integration of Information and communication tools and technologies for enhancing research design Implementation and Management as part of ICT Course for Health researchers in Kenya.
Principal subjects / occupational skills covered	Technology supported Research
Name and type of organisation providing education and training	University of Washington
Dates	01/04/2013 - 30/08/2013
Title of qualification awarded	Information Technology Enabled Business Process Outsourcing
Principal subjects / occupational skills covered	ICT and Development
Name and type of organisation providing education and training	University of Nairobi
Dates	July 2013
Title of qualification awarded	Kaspersky Deployment
Principal subjects / occupational skills covered	Security Implementation
Name and type of organisation providing education and training	Kaspersky
Dates	April, 2012
Title of qualification awarded	Research Proposal Writing
Principal subjects / occupational skills covered	Research
Name and type of organisation providing education and training	University of Nairobi Enterprises
Dates	31/07/2006 - 08/09/2006

Title of qualification awarded	N+									
Principal subjects / occupational skills covered	Networking									
Name and type of organisation providing education and training	KCCT(Now Multimedia University College) Kenyatta Avenue campus, P.O. Box GPO Nairobi (Kenya)									
Date	01/09/2002 - 30/12/2002									
Title of qualification awarded	Certificate in IT									
Principal subjects / occupational skills covered	Stage 2 Information Technology									
Name and type of organisation providing education and training	Jomo Kenyatta University of Agriculture and Technology (JKUAT) Thika Road, Nairobi (Kenya)									
Dates	01/05/2002 - 30/09/2002									
Title of qualification awarded	Certificate in IT									
Principal subjects / occupational skills covered	Stage 1 Information Technology									
Name and type of organisation providing education and training	Jomo Kenyatta University of Agriculture and Technology (JKUAT) Thika Road, Nairobi (Kenya)									
Dates	01 January 1998 - 01 January 1999									
Title of qualification awarded	Introduction to Computers									
Principal subjects / occupational skills covered	Basic Computer skills									
Name and type of organisation providing education and training	Polstar Computer Systems									
Personal skills and competences										
Self-assessment	Understanding				Speaking				Writing	
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
Kiswahili	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
Luo	B2	Independent user	B2	Independent user	C2	Proficient user	C2	Proficient user	C2	Proficient user
Soft Skills	<ul style="list-style-type: none"> ■ Effective communication ■ Good interpersonal skills ■ Perfect analytical and diagnostic skills. 									

<p>Behavioural skills and commendations</p>	<ul style="list-style-type: none"> ■ Ability to See the Big Picture in a role fitting it excellently into Organization's Objectives ■ Seek out opportunities to create effective change and suggest innovative ideas for improvement. ■ Review ways of working, including seeking and providing feedback. ■ Use evidence and knowledge to support accurate, expert decisions and advice. ■ Shows pride and passion for public service. Create and engage others in delivering a shared vision. ■ Values difference, diversity and inclusion, ensuring fairness and opportunity for all. ■ Communicate purpose and direction with clarity, integrity and enthusiasm. ■ Respect the needs, responses and opinions of others. ■ Forms effective partnerships and relationships with people both internally and externally, from a range of diverse backgrounds, sharing information, resources and support. ■ Developing self and Others Focus on continuous learning and development for self, others and the organisation as a whole. ■ Managing a Quality Service, deliver service objectives with professional excellence, expertise and efficiency, taking account of diverse customer needs. ■ Take responsibility for delivering timely and quality results with focus and drive. ■ Strong referential values of fairness, equity and dignity. ■ Commendation on being among the five Staff on, successful deployment of Ms AD at the University of Nairobi. ■ Commendation for successful mentorship of health researchers on the use of ICT in research. ■ Approachable attitude. ■ Assertive and confident in dealing with stakeholders. ■ Flexible approach and happy to get involved in ad hoc activities (e.g. audit system , online procurement system among others, event management team among others)
<p>ICT, Research skills and competences</p>	<ul style="list-style-type: none"> ■ Understands and makes appropriate use of research and evaluation concepts and best practice in research design, methods and approaches. ■ Collects and analyses appropriate and relevant evidence, data and information for research from a range of sources, assessing quality, spotting gaps and presenting information in a structured logical and useful way to feed into policy decisions ■ Improves influence and use of research and evidence throughout the research cycle, including communications, dissemination, and high quality advice on evidence uptake, training and guidance to stakeholders. ■ Commissions and manages research and relationships with stakeholders including external partnerships to deliver high quality research and evidence outputs and related objectives on time and to departmental standards. ■ ICT networks: Expert in the design and development structured Cabling and ICT Networks with various Vendors and Technologies. ■ ICT security: Client Level internet and network security Understanding of firewall configurations administration and authorisation mechanisms. ■ Project management: Ability to define objectives, control processes and manage people in a new implementation. ■ Data analytics skills: Ability to undertake data analysis including database design, modelling, data mining, data management, visualisation and presentation. ■ Cloud computing: Understanding working and Implementation of Cloud computing. ■ Understanding of the design and development of applications & systems. ■ Knowledge of operating platforms – Windows, UNIX / Linux processing environment. <ul style="list-style-type: none"> a. Programming languages - knowledge of: Java, JavaScript, C#, C++, C+++, Visual Basic; .Net; SQL data base; Perl, Ruby, Python. b. Web Development - understanding of Web 2.0 development technologies, XML, Microsoft ASP.Net (web application framework to build sites, applications and services), Personal Homepage Tools (PHP), Microsoft SharePoint family of software products, HTML skills.
<p>Artistic skills and competences</p>	<p>I'm a-professional photographer, I've designed logos, brochures, posters, handbooks, letterhead, and business cards for several people. Sometimes I also play DJ.</p>

Ongoing Special Assignments	<ul style="list-style-type: none"> ■ Appointment by the DVC AF, now (DVC, FPD) as a member of a committee to spearhead automation of audit reporting. ■ Member of CHSS Technical Evaluation and Acceptance Committee. ■ Voluntary Chair of Tender box opening Process. ■ Member of the E-PMIS (e procurement system) Coding and Implementation Team. ■ Exhibition and Show Committee Member. ■ The Tower Building Management System Administrator. ■ Support and Implementation team member of Access Control System and CCTV system at the Uon Towers. ■ UoN Tower Event management committee Member.
Membership, Extracurricular, Special Responsibilities	I have headed Campus ICT Functions, Member of internet society, Been a Trustee of internet society Kenyan Chapter (ISOC-Kenya) I was part of Ngei one Youth Initiative for clean Environment, Member of the University Exhibition Committee and audit report automation committee among others.
Referees	<p>Dr. Elisha Opiyo, Snr. Lecturer , University of Nairobi, P.O. Box 30197, Nairobi</p> <p>Email: opiyo@uonbi.ac.ke</p> <p>Dr. Silas Oriaso, Lecturer, University of Nairobi, P.O. Box 30197, Nairobi</p> <p>Cell: 254 721 381 703 Email: soriazzo@uonbi.ac.ke</p> <p>Dr. Fred Adero, Ag. Director CEC University of Nairobi, P.O. Box 30197, Nairobi</p> <p>Cell: 254 721289963 Email: fadero@uonbi.ac.ke</p>

<p>Annexes</p>	<p>List of attached items (Certificates).</p> <p>ICT certifications</p> <ol style="list-style-type: none"> 1. Network Operations UNIX/Linux, Networking and DNS Course 2. Information and network security 3. Oracle certified by C4D. 4. N+ 5. Cert1 IT 6. Cert2 IT 7. Intro IT 8. Kaspersky Deployment Certificate <p>Relevant certificates</p> <ol style="list-style-type: none"> 1. Principles and Practice of Research Management and Communication Tools 2. Principles and Practice of research and Data management 3. Gis for researchers Workshop 4. Introduction to Gis 5. Integration of ICT tools and technologies 6. ITES BPO <p>Academic Certificates</p> <ol style="list-style-type: none"> 1. Proof of masters 2. Degree Certificate 3. Diploma IT 4. KCSE <p>Other Documents</p> <ol style="list-style-type: none"> 1. Research Proposal Writing certificate 2. Commendation AD Deployment. 3. Commendation on GIS Mentorship
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