

## Curriculum Vitae – ALFRED S. BOCKARIE

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1	<b>NAME</b>	Alfred Swaray Bockarie
2	<b>DOB</b>	12 May 1981
3	<b>POB</b>	Kenema
4	<b>SEX</b>	Male
5	<b>NATIONALITY</b>	Sierra Leonean
6	<b>MARRITAL STATUS</b>	Married
7	<b>MAILING ADDRESS</b>	20 Sir Samuel Lewis Road Murray Town Freetown Sierra Leone
8	<b>UN Language(s) Spoken</b>	English (Excellent), French ( Poor)

9	<b>PRESENT PROFESSIONAL POSITION</b>	GIS/Database Specialist
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10	<b>UNIVERSITY EDUCATION</b>		
	<b>Date</b>	<b>University</b>	<b>Qualification</b>
	2007 - 2008	Universiti Teknologi Malaysia	M.Sc. Geomatic Engineering
	2006 - 2007	Njala University	M.Sc. Renewable Energy and the Environment
	2000 - 2005	Njala University	B.Sc. Environmental Science

12	<b>PROFESSIONAL SKILLS AND EXPERTISE</b>
	<ul style="list-style-type: none"> <li>• Geographic information systems (GIS) – spatial data preparation and analysis</li> <li>• Survey with Total Station and process points to produce plans</li> <li>• Survey with handheld GPS and map out way points and track routes</li> <li>• Do Image processing using panchromatic satellite images</li> <li>• Mapping production from aerial photograph, satellite and Google Earth imagery</li> <li>• Geodatabase development and management</li> <li>• Do database management with FileMaker and SQL software</li> <li>• Work with CAD, kml and Shape files</li> <li>• Do 3D modeling of building and other structures</li> <li>• Familiar with software packages such as ArcGIS 9.3 (<i>Geographic Information System</i>), ERDAS IMAGINE (<i>Photogrammetric mapping</i>), AutoCAD (<i>plan production</i>), FilemakerPro &amp; SQL (<i>database management system</i>), Google Earth (<i>creating maps and viewing images</i>), Google SketchUp Pro (<i>3D model design</i>), PenMap (<i>engineering survey</i>), Microsoft Project (<i>project design, tracking and reporting</i>).</li> <li>• Develop incident reporting optimization system using FrontlineSMS and Ushahidi</li> <li>• Do website development</li> </ul>

13	<b>WORK EXPERIENCE</b>	
	Sept. 2009 –Date	GIS/Database Specialist, Mercy Hospital Research Lab, Mercy Hospital, Bo, Sierra Leone <b>Job Description</b>

		<ul style="list-style-type: none"> <li>- Manage all GIS and Database affairs</li> <li>- Develop databases on disease and other information with FileMaker Pro</li> <li>- Create vector maps from Satellite, Google Earth and aerial images</li> <li>- Do GPS surveys and map out waypoints and track routes.</li> <li>- Query and do database analysis to produce maps for various uses including disease information</li> <li>- Coordinate with other GIS related offices in Sierra Leone for data access and sharing</li> <li>- Promote the use of GIS open source tools like QGIS for map related works</li> <li>- Promote participatory GIS in mapping</li> <li>- Help develop GIS related proposals and research papers</li> </ul>
	Jan 2009 – Date	<p>Lecturer, Institute of Environmental Management and Quality Control, Njala University, Sierra Leone.</p> <p><b>Job Description</b></p> <ul style="list-style-type: none"> <li>- Lecture GIS and environmental management courses</li> <li>- Assist in environmental and GIS related proposal development</li> <li>- Do thesis supervision</li> </ul>
	Oct. 2005 – Nov. 2007	<p>Teaching Assistant, Institute of Environmental Management and Quality Control, Njala University, Sierra Leone</p> <p><b>Job Description</b></p> <ul style="list-style-type: none"> <li>- Taught environmental management courses</li> <li>- Helped develop project proposals for the institute</li> <li>- I was also in charge of database development for students and staff of the institute</li> </ul>

14	<b>CONSULTANCY</b>	
	Feb. 2011	GIS Expert, GIS data collection and mapping of the road network of Mattru, Bonth, Pujehun and Moyamba Town, Sierra Leone, respectively.
	Oct. 2010	GIS Expert, Mapping of locations of Primary Health Care units in Tonkolili and Bo District, Sierra Leone
	Oct. 2010	GIS Expert, Inland Valley Swamp (IVS) Mapping in Kono and Kailahun District, Sierra Leone
	May 2010	GIS Expert, Mapping of properties 15meters from road center line along the Tiama Mano Highway
	Nov. 2009	GIS Expert, Mapping of the West African Power Pool (WAPP) line route and sub-stations in Sierra Leone and buffering of the line route to capture and plan for affected settlements and environments
	April 2009	GIS Expert, Digitization of properties within the London Mining Concession Area in Lunsar, Sierra Leone and production of CAD files from the digital vector shape files, for site planning purpose

15	<b>HONORS, DISTINCTION OF MEMBERSHIP OF LEARNED SOCIETIES</b>	
	<b>Honors</b>	<ul style="list-style-type: none"> <li>• B.Sc. (Honors) , Division I(one) with G.P.A of 4.37/5</li> </ul>
	<b>Distinction</b>	Distinction in field attachment, 2003-2004 undergraduate academic year
	<b>Membership</b>	<ul style="list-style-type: none"> <li>• Member, Sierra Leone Institution of Engineers (SLIE)</li> </ul>

16	<b>PUBLICATION</b>	
	<b>Books Published</b>	

	<p><b>Published Books</b></p> <p>(a) <b>Alfred Bockarie</b> and Hammah Norris Kweku, 2010. <i>Three Dimensional Modeling from Survey Data, Case of FKSG and Surrounding</i>: ISBN: 978-3-8383-7288-4 Lambert Academic Publishing, AG. &amp; CO. KG.</p> <p>(b) Umaru Bangura, David H. Jimmy and <b>Alfred S. Bockarie</b>, 2010. <i>Quality Assessment of Ground Water</i>: ISBN 978-3-8383-9145-8 Lambert Academic Publishing, AG &amp; CO. KG.</p>
	<p><b>Articles Published</b></p> <p><b>Article(s) in Learned Journal</b></p> <p>(a) Enabling Methods for Community Mapping in Developing Countries. <i>International Journal of Health Geographics</i>. Vol. 9, No. 1 (2010), 56.</p> <p><b>Published Abstract</b></p> <p>(a) Participatory GIS in Hospital-Based Epidemiology of Malaria in Bo Sierra Leone. <i>2<sup>nd</sup> Annual Symposium, Sierra Leone Health and Biomedical Research Group (HBIOMEDSL)</i>. March 18<sup>th</sup> -19<sup>th</sup>, 2010. <a href="http://www.ministerial-leadership.org/resource/second-annual-research-symposium-sierra-leone-health-and-biomedical-research-group">http://www.ministerial-leadership.org/resource/second-annual-research-symposium-sierra-leone-health-and-biomedical-research-group</a></p>

17	<b>MAJOR CONFERENCES OR WORKSHOPS ATTENDED</b>	
	Nov. 18-19, 2010	Geotemporal Information Awareness/Infectious Disease Workshop (GIA/ID), Freetown, Sierra Leone <b>Papers Presented</b> (a) Health GIS (b) Community Mapping
	June 2010	Attended Biennial Conference of the Sierra Leone Institution of Engineers at the Bank Complex, Freetown, Sierra Leone
	March 2010	2 <sup>nd</sup> Annual Symposium, Sierra Leone Health and Biomedical Medical Research Group (HBIOMEDSL), Freetown, Sierra Leone <b>Paper Presented</b> (a) Participatory GIS in Hospital-Based Epidemiology of Malaria in Bo Sierra Leone
	March 2009	Participated in two day workshop on Bio-Physical and Eco-Spiritual Treatment of Mass Trauma at the New England Campus, Njala University, Sierra Leone
	May 2009	Attended workshop on climate change negotiation for least developed countries, Siem Reap, Cambodia
	February 2008	Participated in Islamic Development Bank Scholars Conference at the International Islamic University, Kuala Lumpur, Malaysia

18	<b>REFEREES</b>
	<ol style="list-style-type: none"> <li>Mr. David Henry Jimmy Researcher Mercy Hospital Research Laboratory Bo Sierra Leone e-mail: dave_jimmy07@yahoo.co.uk</li> <li>Dr. Joseph Sherman Kamara Lecturer, Agricultural Engineering Njala University Sierra Leone e-mail: <a href="mailto:sherman_23222@yahoo.com">sherman_23222@yahoo.com</a></li> <li>Mr. Jobo Samba GIS Advisor</li> </ol>

	Ministry of Lands, Country Planning and the Environment Freetown Sierra Leone e-mail: <a href="mailto:jobsamba@yahoo.com">jobsamba@yahoo.com</a>
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Signature

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