

# Curriculum Vitae

## Bitwire George Albert

C/o Department of Computer Science  
College of Computing and Information  
Sciences  
Makerere University  
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### A. Personal Information

|                   |   |
|-------------------|---|
| Date of Birth:    | 11 <sup>th</sup> /09/1987                   |
| Place of Birth:   | Mbarara Hospital                            |
| Citizenship:      | Ugandan                                     |
| Sex:              | Male  |
| Marital Status:   | Married                                     |
| Languages Spoken: | English, Runyankole/Rukiga, Rutoro, Luganda |

### B. Personal Profile

Bitwire George Albert is a talented young Computer Science professional with a Master of Science in Computer Science (Plan A) and a Bachelor of Science in Computer Science (Hons. First Class) from Makerere University. Albert has taught, examined and graded courses like Structured Programming, Object Oriented Programming, Web Systems and Technologies I, Web Systems and Technologies II, Information Technology for Financial Services, Information Assurance and Security, Integrative Programming and Technologies, Computer Literacy and Systems Programming. Albert has so far successfully supervised eight undergraduate projects.

Albert has participated in several projects in which he assumed a number of roles. Some of the tasks Albert has worked on are Systems Analysis, Systems Design, Software Development, Systems Documentation and User Training. This experience has equipped Albert with skills and knowledge to execute several tasks in Computer Science with little supervision and no training. Albert is industrious and able to adjust to any working environment and performs tasks assigned to him with diligence and honesty. Albert has been a Teaching Assistant at Makerere University Jinja Campus since 2011. Albert is a good team player and can also assume leadership roles.

### C. Academic Background

| Year      | Institution            | Qualification                           |
|-----------|------------------------|---|
| 2011-2016 | Makerere University    | Masters of Science in Computer Science  |
| 2007-2010 | Makerere University    | Bachelor of Science in Computer Science |
| 2005-2006 | Mbarara High School    | Advanced Level Certificate              |
| 2001-2004 | Mbarara High School    | Ordinary Level Certificate              |
| 1997-2000 | Iterero Primary School | Primary Leaving Certificate             |

### D. Working Experience:

| Institution                                     | Project  |
|---|--|
| Makerere University                             | <b>Description:</b> Teaching Assistant Makerere University Jinja Campus [August 2011 to Date ]<br><b>Roles:</b> Teaching, Examination, Student's Project Supervision, Marking, Guidance and Counseling                   |
| Uganda Medical and Dental Practitioners Council | <b>Description:</b> Website Development[ July, 2015] ( <a href="http://www.umdpc.com">http://www.umdpc.com</a> )<br><b>Roles:</b> Photo Editing, Design(Layout and Navigation), and Development                          |
| ITPlus Solutions LTD                            | <b>Description:</b> Website Development[ April, 2015] ( <a href="http://www.itplusuganda.com">http://www.itplusuganda.com</a> )<br><b>Roles:</b> Photo Editing, Design(Layout and Navigation), and Development           |
| Alpha Natural Support                           | <b>Description:</b> Website Development[ January, 2015] ( <a href="http://alphanaturalsupport.com/">http://alphanaturalsupport.com/</a> )<br><b>Roles:</b> Photo Editing, Design(Layout and Navigation), and Development |
| Department of Fisheries                         | <b>Description:</b> Department of Fisheries Resources Database Management System[ January, 2011 to July 2011]<br><b>Roles:</b> Analysis, Design, Development, Documentation and User Training.                           |

| Institution                                   | Project   |
|---|---|
| NARO  | <p><b>Description:</b> Agricultural Research service Providers Database Management System. Agricultural Research service Providers Register online and they can be assessed online and either accepted as Agricultural Researchers or rejected. [January 2011 June 2011]</p> <p><b>Roles:</b> Analysis, Design, Development, Documentation and User Training.</p> |
| Nkumba University                             | <p><b>Description:</b> Nkumba University Staff Profile Management System-(NUSPMS) allows users to enter different categories of information and after which it generates personal websites with just a click of a button.[August- October 2010]</p> <p><b>Roles:</b> Analysis, Design, Development, Documentation and User Training.</p>                          |
| Department of Forestry<br>Makerere University | <p><b>Description:</b> Website redesign[ September, 2010]</p> <p><b>Roles:</b> Photo Editing, Design(Layout and Navigation), and Development</p>  |
| Final Year Project                            | <p><b>Description:</b> Drug and Inventory Management System [Jan July 2010]</p> <p><b>Roles:</b> Data Collection, Analysis, Design, Development, Documentation, and Testing</p>   |
| Infectious Disease institute(<br>IDI)- Mulago | <p><b>Description:</b> Development of TB, Slab and TBIRIS Databases for Infectious Disease Institute, [2009]</p> <p><b>Roles:</b> Analysis, Documentation and Testing</p>   |
| Uganda Securities<br>Exchanges, USE-Kampala   | <p><b>Description:</b> Development of Bourse Quest(A game simulating an electronic securities trading platform) for Uganda Securities Exchange, USE-Kampala[2008]</p> <p><b>Roles:</b> Documentation and Testing</p>  |

### E. Training Experience:

|                           |   |
|---------------------------|---|
| <b>April 2015</b>         | Learner Centered Pedagogy & Student Assessment  |
| <b>August 2013</b>        | Gaussian Process Summer School  |
| <b>June - July 2009</b>   | Geographical Information Systems (GIS) Training<br>[Certificate in introduction to GIS] |
| <b>August 2009</b>        | Training in Multimedia i.e. Photoshop, Illustrator,<br>InDesign, After Effects.         |
| <b>June - August 2008</b> | CCNA Training Not Audited   |

### F. Technical Skills:

**Operating Systems:** Dos, Windows 9x/2000/XP/ME/VISTA/7/8.1/10, Linux, Sun Solaris

**Programming Languages:** C/C++, Java, PHP, SQL, HTML/XML, PERL, Python, prolog, Matlab, JavaScript, CSS, and Ajax.

**Database Management Systems:** Oracle 9i, MySQL, PostgreSQL, MS Access and MS SQL server

**Drawing and Photo Editing:** Microsoft Visio, Adobe Photoshop, Adobe illustrator, inkscape

**Publishing:** Latex, Microsoft Publisher.

**Other skills:** Data analysis using the SPSS program, data collection, report writing, and communication skills

### G. Supervision

- A Subject Combination Recommender System (SCRS) for Secondary Schools
- Road Accidents and Victim Information System (a Case Study of Jinja Central Police Station)
- A Boda Boda Registration Information Management System (a Case Study of KCCA)
- A Mobile Tour Guide Management System(A Case Study of the Tourism Sector in Uganda)
- Property Brokerage Information System (a Case Study Of Jinja Area)
- Medicine Selection for Minor Illness and Stock Alert System (a Case Study of Medven Pharmacy Main Street Jinja Town)
- Diocesan Administration and Activity Track System
- Educational Digital Resource-Sharing System for Ugandan Schools(Sharebility)

## **H. Hobbies**

Teaching, educative discussions, research, swimming, listening to music, meeting new people, movies, and playing soccer.

## **I. Declaration**

I hereby declare that the information provided in this Curriculum Vita is true to the best of my knowledge and understanding.

Signature:

Date:

Bitwire George Albert

## **J. Referees:**

| <b>Academic Referee</b>  |   |          |   |
|--------------------------|---|----------|---|
| <b>1</b>                 | <b>Dr. Ernest Mwebaze</b><br>Department of Computer Science<br>College of Computing and Information Sciences<br>Makerere University<br>P.O. Box 7062<br>Kampala, Uganda.<br>Tel: +256-772-121-272<br>Email: emwebaze@cit.ac.ug  | <b>2</b> | <b>Mr. Joab Agaba</b><br>Department of Networks<br>College of Computing and Information Sciences<br>Makerere University<br>P.O. Box 7062<br>Kampala, Uganda.<br>Tel: +256-752-966301,<br>Email: jagaba@cis.mak.ac.ug                  |
| <b>Character Referee</b> |   |          |   |
| <b>1</b>                 | <b>Mr. Mubangizi Martin</b><br>Pulse Lab Kampala:<br>Office of the UN Resident Coordinator<br>UNHCR Office Building, 2nd Floor, Back Wing<br>Plot 11/13 Mackenzie Close, off Mackenzie Vale, Kololo, Kampala, Uganda.<br>Tel: +256-782-705895.<br>Email: mmubangizi@gmail.com | <b>2</b> | <b>Mr. Atugonza Martin</b><br>Makerere University Jinja Campus<br>Department of Information Technology<br>College of Computing and Information Sciences<br>P.O. Box 5249<br>Jinja<br>Tel: +256-704-649904.<br>Email: atugae@gmail.com |