europass



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WORK EXPERIENCE

AUG 2019 – CURRENT Mukono, Uganda

COMPUTER SCIENCE LECTURER UGANDA CHRISTIAN UNIVERSITY [COMPUTING AND TECHNOLOGY]

- Instructing Computer Science and information technology students
- Carry out research and development
- Supervise internship and placements
- Carry our examinations and assessments

Business or Sector Education | **Department** Department of Computing and technology

2018 – CURRENT Nkozi, Uganda

COMPUTER SCIENCE LECTURER UGANDA MARTYRS UNIVERSITY

SEP 2013 – CURRENT

FREELANCER PROGRAMMER FREELANCER .COM

- Develop and deliver applications as required by the clients
- Debug codes
- Maintain applications, websites

2019 – 2022 Mukono, Uganda

ELEARNING INNOVATION LEAD UGANDA CHRISTIAN UNIVERSITY

- Develop and implement the eLearning strategy aligned with the institution’s or organization's goals.
- Identify opportunities to integrate innovative technologies into teaching and learning.
- Evaluate and implement eLearning platforms, tools, and technologies (e.g., Learning Management Systems, virtual labs, or AR/VR).
- Train faculty and staff on using eLearning tools effectively.
- Provide ongoing support and resources for instructors and learners to navigate eLearning systems.
- Create guides, tutorials, and documentation for eLearning platforms.

2022 – CURRENT Nkozi, Uganda

E-LEARNING ARCHITECT UGANDA MARTYRS UNIVERSITY

- Monitor the effectiveness of e-learning technologies and delivery methods.
- Gather feedback from stakeholders and use data analytics to recommend improvements and innovations
- Design and oversee the development of an e-learning infrastructure, including platforms, tools, and support systems.
- Ensure scalability, reliability, and alignment with University objectives

MAR 2018 – FEB 2019 Kampala, Uganda

ALGORITHM ANALYST GOOGLE INC

Conduct algorithm trade studies and sensitivity analyses of systems by executing a high fidelity M&S tool suite
Performing analyses across large volumes of data.
Assessing algorithm performance.
Producing appropriate data visualizations, and documenting relevant findings.
Contribute to Algorithm model and simulation development to support analytical tasks by identifying opportunities for developing novel M&S capabilities and participating in code design.

Development, integration, and/or testing.
Support the development and testing of algorithm innovations and advanced concepts to address needs found during design margin and sensitivity analysis.
liaise with all Engineer to test and deploy Developed algorithms

OCT 2014 – MAR 2015 Italy
TUTORIAL ASSISTANT (GOAL MODELLING) UNIVERSITY OF TRENTO

APR 2014 – NOV 2015 Trento, Italy
SOFTWARE ENGINEER JB RESEARCH LABS/ IRST

- Analyzing user requirements;
- Researching, designing and writing Web applications
- Systems Analysis and Design
- Formulation of Project Charter
- Gathering of System Requirement
- Designing of System Specification
- Designing Architectural Design and Detailed Design.
- Systems Validation and Verifications

31 JUL 2012 – 29 SEP 2013 Mukono, Uganda
RESEARCH AND TEACHING ASSISTANT UGANDA CHRISTIAN UNIVERSITY

- Teaching
- supervising students
- Setting and marking examinations
- Carry out Research

MAR 2012 – AUG 2012 Entebbe, Uganda
SYSTEMS ADMINISTRATOR ANNA'S CORNER

At Anna's corner i developed an online sales point, this platform is used to sale the Art crafts.On addition i was responsible for developing and managing the organisation website and local area network

MAY 2011 – AUG 2011 Entebbe, Uganda
INTERNEE SYSTEM ADMINISTRATION CIVIL AVIATION AUTHORITY

- Provide Client Support
- Perform daily database backups
- Manage the servers and systems
- Manage the Flight display system , Car parking system and Surveillance system

2022 – CURRENT Kabale, Uganda
COMPUTER SCIENTIST KABALE UNIVERSITY

EDUCATION AND TRAINING

2022 – CURRENT Kampala, Uganda
PHD IN COMPUTER SCIENCE Makerere University

15 SEP 2013 – 19 DEC 2015 Trento, Italy
MASTER'S OF SCIENCE IN COMPUTER SCIENCE University of Trento

Machine Learning and Data Science[Statistics and Data Analysis]
Software Engineering [Web and internet Technologies]

2 SEP 2009 – 4 JUN 2012 Mukono, Uganda
BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE Uganda Christian University

JAN 2018 – FEB 2018
CERTIFICATE OF PARTICIPATION Uganda Universities Quality Assurance Forum [UUQAF]

11 DEC 2017 – 14 DEC 2017 Kampala, Uganda
CERTIFICATE OF PARTICPATION Association of African Universities [AAU]

19 JAN 2016 – 21 JAN 2016 Nairobi, Kenya
FORTIGATE MULTI-THREAT SECURITY SYSTEMS II - SECURED NETWORK DEPLOYMENT AND IPSEC VPN Fortinet

17 JAN 2016 – 18 JAN 2016 Nairobi, Kenya
FORTIGATE MULTI-THREAT SECURITY SYSTEMS I - ADMINISTRATION AND CONTENT INSPECTION Fortinet

JAN 2013 – JUL 2013 Kampala, Uganda
CERTIFICATE IN WEB AND MOBILE DEVELOPMENT Logos Academy

SEP 2011 – CURRENT
SELF TAUGHT COURSES Coursera.org

- Introduction to Spatial Revolution
- System Engineering
- Human computer Interaction
- Geointelligence
- Python

LANGUAGE SKILLS

Mother tongue(s): **LUGANDA**

Other language(s): **ENGLISH** | **ITALIAN**

DIGITAL SKILLS

Programming

Programmin language PYTHON | Database Oracle MYSQL SQL + Access | Programming C C++ JAVA (J2EE)

Computer Basics

Microsoft Office | Google Drive

Data Analysis and Management

elearning Analytics | Statistical analyses softwares (SPSS, R / R Studio, Amos, NVivo) | Denovo DNA Analysis | Machine Learning and AI

PUBLICATIONS

Publications

1. *Enhancing Quality of University Records management using Multi-Tier Integrated management system, Joseph Brian Kasozi,In Proceedings of 7th Annual East African Quality Assurance Network Conference, 2017, Dar es Salaam , Tanzania.*

2. Can Goal Reasoning Techniques be used for Strategic Decision-Making?, Joseph Brian Kasozi, Elda Paja, Alejandro Mate, Carson Woo and John Mylopoulos, In Proceedings of the 35th International Conference on Conceptual Modeling, ER 2016, Gifu, Japan

3. Electronic Dossier, Joseph Brian Kasozi, Privacy in the digital Era,privacy and intellectual property rights ,University of Trento, 2014, Trento ,Italy

HONOURS AND AWARDS

Honours and awards

Google Gift Project -TensorFlow -2022 -todate
The project is focusing on using Google tensor-flow and collab to develop ML and AI tools and solutions
Certificate of participation by IEEE italy Career School-2014

Having participated in the IEEE career school which took place at the University of Trento, i was recognized and awarded a certificate of participation

Zero Emission- 2013

Zero Emission Climate Friends. Awarded after saving 72. 66 Kg Carbon dioxide in air

Opera Universita' Scholarship -2013

I was awarded a full scholarship in Italy by Opera universita to pursue my two year master's Course at the University of Trento

Honors Degree in computer Science- 2012

I was awarded a honors Degree by Uganda Christian University after excelling with a first class degree

Distinguished Mapmaker - 2012

I was recognized by Google Africa as a distinguished mapmaker.This is was participating in the Africa Google mapping week ad teaching more than 600 mappers as well making edits on Google maps

ORGANISATIONAL SKILLS

Organisational skills

Leadership

- -Smart Campus Project

Team Player

I have worked on a number of teams which include, smart campus project Team , and i have proved to be a good team player. This is proved by the results delivered by all the projects i have been part.

Interpersonal and communication Skills

Am always willing to face any challenge and willing to learn from all possible environment.This is also backed by the good communication skills.These were developed during my reign as a Google Student ambassador at Uganda Christian University

Project management

Refining of System Requirement and Implementing System Specification
System Architectural Design and Detailed Systems Design,
Risk Management
Quality Assurance and Control through system testing

JOB-RELATED SKILLS

Job-related skills

Programming/Markup Languages

- Java,C#,Python,PHP,Javascript,XML,HTML,Erlang,Matlab,R

Software Engineering

- Business intelligence model language
- Social technical tool modeling language
- SECRAM and Coras for Security Engineering
- Unified modeling language(Object oriented)
- Visio

Systems Administration

- Windows Servers , Active Directory , Exchange
- VPN (openvpn, openswan)
- MySQL,Oracle,RIAK
- Red Hat / Debian
- VMware, Virtual Box
- Spam / virus filtering using Fortinet Technologies
- Hardware configuration and maintenance
- Mobile Device management
- Scripting/ automation(Bash)
- Identity and Access Management

ACTIVITIES

Activities

Google Student Ambassador -Uganda Christian University- 2012 to 2013

As GSA at campus i was supposed to teach and encourage others students and the university staff to embrace Google technology. I did this through carrying out events, Mapping parties, Code demos

FACILITATED TRAININGS

2021 – CURRENT
Staff and Student training on Uganda Martyrs University eLearning environment

2019 – 2022
Staff and Student Training on Uganda Christian University eLearning environment

2022 – CURRENT
Staff and Student Training on St Francis Schools of Health Sciences eLearning environment

MAY 2024 – SEP 2024
Staff and Student Training on Uganda Spiritual Formation Center (USFC) Namugongo Virtual Learning environment

2022 – 2022
Staff and Student Training on Ndejje University Elearning Enviroment

OTHER WORKS

Other Works

Telemedicine Project Funded by PSFU 2016-2020
This research project is focused on deploying IoT technologies in the health sector to link remote health professionals/ doctors to local patients. This will reduce on the costs incurred to go abroad to for treatment or even operations.
Education Information Management System EIS - Ministry of Education -2017
This project was developed to map all schools in the country capturing any fine details about the school, students furniture location.etc.This was to help the ministry of education to keep track of all schools without even physically visiting the premises.
Online Employee tracking System -2015
I developed this as my Web architecture Course project. This project involved Java EE7 technologies which include; Java Beans, EJBs, Java server faces(Rich Faces), Mysql Database, Ajax, Google map API and Fonts.The objective of the project was to illustrate the three tier architecture and use of Entity beans in Java
Network Packet Analyzer- 2012
NPA application is a java Desktop application that can be used on both windows and Linux platforms. This application was to be used to monitor the network traffic at university during peak hours so that the network is efficiently utilized.The project utilized libpcap, winpcap, swing libraries.

AREAS OF GENERAL INTEREST

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Software Implementation Project Management
Internet and web technologies
Electronic learning and management
Learning Analytics and Data mining
Software Engineering and Development
Programming languages and Semantics
Managed Data Security and implementation
Network Design, Programming and Implementations
Instructional design

RESEARCH PROJECTS

Research Projects

Revolutionising eLearning with AI-Driven Learning Analytics: Empowering Lecturers in Public Universities (AI-LearnA)- REF Project 2024- ongoing
This study is targeting to streamline and support lecturers through learning analytics
Enhancing rent collection and online payments in East African countries 2017- Ongoing
This study is aiming at deploying an integrated online rent collection system to help property owners manage and collect rent dues even when not physically on the premises.

Strategic Decision making with Goal models: Five force vs Goal Models 2015-2016
The performance of an enterprise is determined by its strategic objectives, and the strategic plan it adopts through some form of strategic analysis in order to meet these objectives. However, strategic analysis is currently only supported through unsystematic and informal processes such as SWOT analysis and the Five Forces Model. This study proposed conceptual goal modeling as a systematic approach to strategic analysis and shows through a comparative study how this analysis can be conducted for a Goal Model and the Five Forces Model. Taking a case study of Royal caribbean cruises.

Business Intelligence modelling Language (BIM) 2014 - 2015
This is a study carried to improve and introduce conceptual modeling as a strategic goal analysis tools. We developed Business intelligence modelling tool (From I* framework) under the supervision of Professor John Mylopoulos (University of Trento)

Smart Campus Projects 2013-2014
I participated in the Smart campus project which was aiming at creating an online community for the university of Trento, In this project a number of Android applications where developed and at the end of the project we had a software pack "Smart Campus".

REFEREES

Referees

Professor John Mylopoulos
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Mr. Syned Aryeija
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