

BATAMULIZA JENNIFER

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EDUCATION

- **University of Rwanda** (2017-To date)
- **PhD candidate Data Science /Data Mining**

Machine Learning

Python programming

- **University of Electronics Science and Technology of China (UESTC)** (2014-2016)
- **Masters of Engineering in Computer Science and Technology (software Engineering)**

Data mining, Network Security, Network Security Protocol, Mathematics of Information Security, Database Techniques, Software Development, a survey of China, intermediate chine language, fundamental of cryptography, embedded operating system, Cloud computing, mining of massive Dataset.

- **University of Rwanda/College of Science and Technology (Former KIST)** (2008-2012)
- **Bachelors of Science in Computer Engineering and Information Technology**

System Analysis and Design, Fundamental of Programming, Computer Architecture and Organization, JAVA, PC maintenance and troubleshooting I, Data Structure and Algorithm , internet and web-page Programming, Database management System, Multimedia Design And development , Network Security, PC maintenance and troubleshooting II, Computer Networks and Administration, data mining.

- **Arizona State University (Watts College), USA** (2019)
- **Mandela Washington Fellowship for young African Leaders**

Leadership in Public Management

PUBLICATIONS

- Information security journal: A global perspective (Scopus indexed journal)
Identity Based Encryption with Equality Test
<https://doi.org/10.1080/19393555.2020.1811924>
- An Anonymous Identity-based With Bilateral Protocol for Smart Grid
The International Arab Journal of Information Technology (IAJIT) (Scopus indexed journal)
<https://doi.org/10.34028/iajit/18/3A/6>
Authors: Batamuliza Jennifer, Hanyurwimfura Damien
- A secure and efficient anonymous certificateless signcryption for Key Distribution Scheme for Smart Grid
ACIT 2020 Conference paper IEEE Proceedings (Scopus indexed conference paper)

[A secure and efficient anonymous certificateless signcryption for Key Distribution Scheme for Smart Grid - IEEE Conference Publication](#)
- IEEE Transactions on services computing “A SURVEY OF PROXY-RE ENCRYPTION FOR SECURE DATA SHARING IN CLOUD COMPUTING”
<https://ieeexplore.ieee.org/document/7448446/>.
- International journal of computer science (IJCA). Manuscript Title: certificateless secure anonymous key distribution scheme for smart grid. **digital library uri:**
<http://www.ijcaonline.org/archives/volume180/number24/29102-2018916563>
isbn: 973-93-80898-31-9
- International journal of computer science (IJCA). Manuscript Title: Manuscript Title: efficient and privacy preserving protocol against insider attack for data storage in cloud computing **digital library uri:**
<http://www.ijcaonline.org/archives/volume179/number34/29220-2018916731>
isbn :973-93-80898-45-9.
- Information Technologist (THE) (AJOL)
Predicting success in computer engineering at university of Rwanda using machine learning
<https://www.ajol.info/index.php/ict/article/view/197398>
<https://www.ajol.info/index.php/ict/issue/view/19016>

AWARDS

- Academic Achievement Award at University of Electronics science and technology of china
- Outstanding student award at University of Electronics science and technology of china
- Social Achievement Award at University of Electronics science and technology of china
- Best story writer award China Daily Newspaper

WORK EXPERIENCE

- **Adventist University of Central Africa (AUCA)** (2021-To date)
- **HEAD OF SOFTWARE ENGINEERING DEPARTMENT**

Managing lecturers, courses and all other activities in my department.

- **Adventist University of Central Africa (AUCA)** (2016-To date)
- **LECTURER**

Teaching computer Science courses such as Software Engineering, Requirement Engineering, Software Project Management, Network security, Software quality Assurance and Mobile communication.

- **Adventist University of Central Africa (AUCA)** (2016-2021)
- **ASSOCIATE DIRECTOR OF RESEARCH AND CONSULTANCY**

In Charge of research and consultancy at AUCA.

- **IEEE Transaction on service Computing journal** (2016-To date)
- **Reviewer**

- **Rwandair** (2012)
- **Call Center Agent**

- Booking air tickets for customers
- Trouble shooting customers queries

- **Rwandatel** (2008-2011)
- **Service Center Agent**

- Sales
- Trouble shooting customers queries

SKILLS

- Excellent in Information Security, in Smart cities, internet of things(IoT), Big Data and Cloud computing
- Network connectivity troubleshooting, ping, tracer, telnet
- Responsible for communication Protocols, configurations, integration and security
- Upgrading and repairing faults in CIS systems, networks and Peripherals Equipment's
- Cisco switch configuration in particular VLAN configuration / troubleshooting
- Excellent ability of Python, C, C#, C++, PHP, Java programming languages
- Excellent ability of Database: MySQL, Oracle, Microsoft SQL Server
- Adminstrating and designing LANs, WANs internet / intranet
- Software Development Environment: Eclipse, NetBeans, Android Studio
- **Web development:** HTML, CSS, Java Script
- Leadership Skills

PROFESSIONAL TRAININGS

- CCNA certificates
- MTA Certificate
- Machine learning certificate
- Security intelligence certificate by IBM
- MIT –AITI Certificate on Android programming

LEADERSHIP

- Head of Software Engineering Department at Adventist University of Central Africa(AUCA)
- Associate director of research and consultancy at Adventist University of Central Africa
- Vice President for Rwanda Association for Women in Science and Engineering (RAWISE)
- Coordinator AUCA Innovation Center
- CEO & Founder RWA TECH HUB
- Former International students Union in Charge of Academics at UESTC
- Former Treasurer for Rwandan Diaspora in Sichuan Province
- Former Assistant Coordinator Ikiraro Project University of Kigali

CONSULTANCY

-VVOB Consultant in Scratch project. A project for training secondary school teachers how to code and how they will train secondary school students how to code and form coding clubs at Kayonza District. Developed the content for both online and face to face and I am ttrainer/facilitator for scratch programming.

-Trainer at AIMS Teachers training program in STEM funded by Mastercard foundation.

-Trainer for coding at RWA TECH HUB. Training the girls how to code and also mentoring girls to join technology field.

-Mentor and Trainer at Rwanda Association for Women in Science and Engineering (RAWISE).