We're transforming Africa through innovative scientific training, technical advances and breakthrough discoveries!

The African Institute for Mathematical Sciences (AIMS, www.nexteinstein.org) is a pan-African network of centres of excellence for postgraduate training, research and outreach in mathematical sciences. Its mission is to enable Africa's brightest students to flourish as independent thinkers, problem solvers and innovators capable of propelling Africa's future scientific, educational and economic self-sufficiency. The first AIMS centre opened in Cape Town, South Africa in 2003; since 2011, AIMS has opened additional centres in Senegal, Ghana, Cameroon, Tanzania and Rwanda. The goal of the AIMS Next Einstein Initiative (AIMS-NEI) is to build a pan-African network of 15 centres of excellence across the continent by 2023.

Each AIMS centre provides an intensive and broad education to over 50 African students each year and prepares them for leadership careers in academia, governance and industry. The AIMS educational program relies on top international lecturers who teach in a 24-hour learning environment.

If you bring a collaborative spirit with a passion to effect change, consider this opportunity as the…

Data Analytics & Security Specialist (QLA)

The Quantum Leap Africa (QLA) project is an integral component of the AIMS in Rwanda EcoSystem launched in Kigali April 3rd! QLA is a world-class centre of scientific research excellence at the leading edge of information science and technology with a mandate to position Rwanda as a global information leader!

In support of the QLA project, we are in search of a smart, enthusiastic individual to join the team as its first Data Analytics & Security Specialist. Inspired by an ambitious mandate, and led by the Project Developer, you will be play an active role as the team works to build and maintain analytical models that mine large sets of structured, semi-structured and unstructured data in search of unique insights and correlations not evident through traditional Data Warehouse or Business Intelligence techniques.

The Data Analytics & Security Specialist will leverage a deep understanding of math, applied statistics and computer programming to build complex models for a variety of data from the telecommunication, agriculture, health care, manufacturing, retail and financial services industries. He/she will also assist in the development and implementation of data access security safeguards and protective measures to ensure protection of computer data from internal and/or external users; does related work as required.

 You will be at ease to work in a start-up mode environment and alongside mathematical scientists, researchers and scholars dedicated to building Big Data in Rwanda. You will interact and collaborate with a diverse team of administrative, program and financial professionals across our global Network.

This is a full time, opportunity based at the QLA Centre of Excellence in Kigali, Rwanda.

● Email: info@nexteinstein.org ● **www.nexteinstein.org**
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Do you have what we need?

- MScs/ PhD in a quantitative discipline such as Mathematics, Statistics, Engineering, Economics or related field
- At least 2 years' experience applying machine learning algorithms, predictive   modeling, data mining, machine learning, and statistical analysis to solve business   problems
- 2+ years' experience in data science and security
- Typically requires 1-3 years' experience manipulating large datasets and using   databases
- Knowledge of technical infrastructure, networks, databases and systems in relation   to IT Security and IT Risk
- Familiarity with Hadoop, Spark, MapReduce, PIG, HIVE
- Experience with business intelligence software such as Tableau, QlikView, and   MicroStrategy.
- Demonstrates in-depth knowledge of SQL, NoSQL and a statistical environment   such as R, SAS, SPSS, or Stata
- Programming skills in Python, Java, C++, or similar languages
- Skilled in complex problems solving, critical thinking and decision-making
- A team player and good communicator with fluency in English, verbal and written
- Has strong analytical skills and innate curiosity
- Familiar with Agile methodology
- Solid organizational skills including attention to detail and multitasking skills
- Desire and willingness to work in a collaborative, innovative, flexible and team-   oriented environment
- Excellent understanding of project management principles
- Ability to set and manage priorities judiciously
- Enthusiasm to work in a culturally diverse organisation
- Able to travel across the world
- May be required to work outside of normal business hours

Are you ready to be a part of the transformation?

Submit your letter of motivation, including salary expectations together with a detailed CV in English to: careers@nexteinstein.org **(i.e. quote "Data Analytics & Security Specialist - QLA" in the subject line). Applications will be accepted until June 15, 2018.**

Should no feedback be received from AIMS-NEI within four weeks of your submission, kindly accept that your application will not be further pursued. AIMS-NEI reserves the right not to make an appointment at its sole discretion.

AIMS-NEI is an equal opportunity employer.

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