A Perspective on Computer Science Education in Africa

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Modern Computer Science

1912 to 1954

Computer Science Education in Africa
Internet in Africa

Meet Africa's 'Father of the Internet'
The first computer in the whole of central Africa is known to have been installed in 1960\(^a\)
A brief look at the standard ACM/IEEE curricula reveals that they do not even mention environment and climate issues \(^a\)

\(^a\)(Sutinen and Tedre 2010; Tedre, Bangu, and Nyagava 2009)
Different Environments

Ghana, Source: Internet

The Netherlands, Source: Internet
Real Challenges

Include but not limited to...

- Inadequate electricity infrastructure/power supply
- Counterfeit products
- “Different” natural environments for imported hardware
- Lack of warranty that makes purchases of hardware parts risky
- Lack of qualified staff and specialists to operate imported tools and equipments.
The Way Forward

In addition to theoretical computer science knowledge

- Practical sessions, hands-on projects, skills development
- Context-sensitive education
- Pushing for international recognition (conferences, publications, etc.)
That's all Folks!