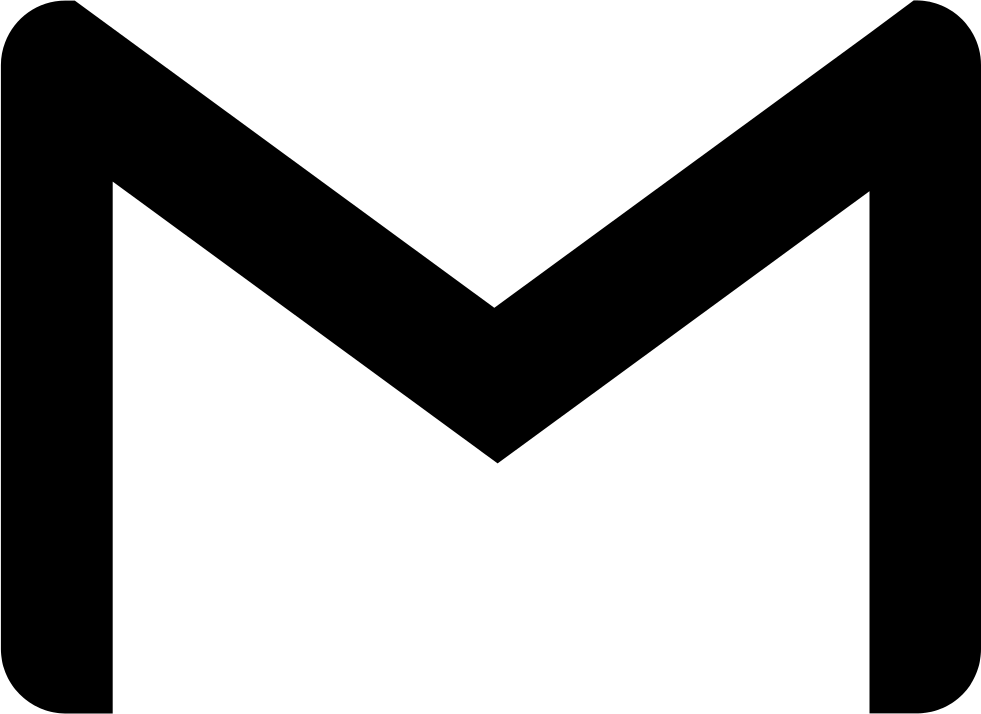
ANTHONY KARIMI MUTHUNGU

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**ABSTRACT**

Serial Entrepreneur, Innovator and an Educator who impact people’s lives scientifically.

Nominated, Shortlisted and Awarded during Transformational Business Awards 2019, Special Category “Innovating for Disability” with my innovation “AlexCane” An assistive device that increase the mobility of blind people held in London (UK) and organized by Financial Times and International Finance Corporation (World Bank Arm) held in 13th June 2019.

Winner of Kenya National Innovation Agency 2019,Participated and Awarded during Leaders in Innovation Fellowship 2019 organized by Kenya National Innovation Agency, Royal Academy of Engineering and Newton Fund held at London (UK) on February 2019-Oxford University. .”AlexCane” was the innovation that made me get the nomination.

Nominated and Awarded at Advancing Health Care Innovations Africa 2018 an event organized by Emory University (USA) held at Johannesburg (SA) on July 2018.”AlexCane” was the innovation that made me get the nomination.

Nominated and Awarded as the Face of Kenyan Science 2018 in an event organized by Next Einstein Forum during the Africa Science Week held at Radisson Blue Hotel Nairobi on December 2018 in partnership with National Commission of Science Technology and Innovation (NACOSTI) and Kenya National Innovation Agency (KENIA).

Nominated and awarded as Top 40 under 40 Men by Business Daily Africa 2018 December.

Nominated, shortlisted, awarded as a finalist in Hardware Innovation Competition by American Society of Mechanical Engineers 2018 (United States of America)-(ASME)

**EDUCATION**

Karatina University-Bachelor of Education Science (Physics/Mathematics) 2013-To Date.

Zetech University –Diploma in Computer Engineering (Internet of Things) 2016-2018.

Mathakwa-ini High School, Nyeri 2009-2012.

Githakwa Primary School, Nyeri 1999-2008.

**PROFESSIONAL COURSES**

Technology Commercialization-Royal Academy, Oxford University (UK)

Engineering Hardware Innovation-American Society of Mechanical Engineers (USA)

Advancing Health Care Innovation -Emory University (USA/South Africa)

Sustainable Health Innovation-German Institute of Business Studies (Ghana)

Africa Young Entrepreneurs and Leadership Program-Africa Insight (South Korea)

**AWARDS**

**Transformational Business Awards 2019-**Nominated and awarded at the event held in London (UK) on June 13th 2019.”AlexCane “innovation was recognized in a special category for ‘Innovating for Disability**”.** The event was organized by Financial Times and International Finance Corporation

**AlexCane**-Is an assistive device that increases the mobility of blind people.

<https://www.facebook.com/IFCwbg/videos/458717701560603/?epa=SEARCH_BOX>

**Leaders in Innovation Fellowship 2019**-Nominated and awarded at the event held in London (UK) on February 9th 2019.”AlexCane” innovation was recognized and awarded by Newton Fund. The event was organized by Kenya National Innovation Agency in partnership with Royal Academy of Engineering (UK).

**AlexCane**-Is an assistive device that increases the mobility of blind people.

<http://www.innovationagency.go.ke/wp-content/uploads/2019/02/SELECTED-FINALISTS-FOR-THE-2018-19-LEADERS-IN-INNOVATION-FELLOWSHIP-PROGRAMME-AND-THE-NATIONAL-INNOVATION-AWARD.pdf>

**Advancing Health Care Innovations Africa 2018**- An event organized by Emory University (USA) held at Johannesburg (SA) on July 2018.

”AlexCane” was the innovation that made me get the nomination.

**AlexCane**-Is an assistive device that increases the mobility of blind people.

<https://www.nation.co.ke/news/education/Zetech-student-South-Africa-science-forum/2643604-4679772-g6tu9kz/index.html>

**Face of Kenya Science 2018**- An event organized by Next Einstein Forum during the Africa Science Week held at Radisson Blue Hotel Nairobi on December 2018 that was celebrating exceptional Kenyan Scientists.

<https://www.africascienceweek-kenya.org/selected-scientists-1/2018/11/29/mr-anthony-muthungu>

**Top 40 Under 40 Men 2018**- Nominated and awarded by Business Daily Africa 2018 December.

<https://www.businessdailyafrica.com/blob/view/-/4905628/data/2205102/-/s3nq51/-/top+40+under+40+men-2018.pdf>

**Demo Africa Innovation Tour Winner Nairobi Edition 2018**- Participated and Won Demo Africa Innovation Nairobi Tour 2018 with “**AlexCane”**-Is an assistive device that increases the mobility of blind people.

<https://techmoran.com/2018/06/19/advanced-it-solutions-limited-team-wins-the-demo-africa-kenya-challenge/>

**Health Meet Tech Winner 2018**- Participated and Won Health Meet Tech 2018 with “**AlexCane”**-Is an assistive device that increases the mobility of blind people.

<https://ihub.co.ke/blogs/32343/winners-announced-health-meets-tech-hackathon-ke>

**Aspiring Intervarsity Innovator 2018**-Partcipated and won the aspiring intervarsity innovator award robotics category held at Riara University.

<https://twitter.com/RiaraUniversity/status/965526242190614528>

**German African Sustainability Award 2019**-Participated and Won German African Sustainability Health Award 2019 hosted by Tangaza University in April 2019.My Innovation “**REFA**” A health record system with decentralized ledger base database won.

<https://www.german-ibt.org/innosummit/>

**American Society of Mechanical Engineers Finalist 2018**- Participated and awarded as a finalist in an event hosted in Nairobi by ASMEIshow.

“**AlexCane”**-Is an assistive device that increases the mobility of blind people.

<https://thisishardware.org/competition/2018/kenya>

**Young Entrepreneur Support 2019**-Participated and won the event hosted by AFRICA YES and Africa Insight (South Korea) as Young Africa Top Entrepreneurs hosted at ALX Garage Nairobi on March 2019.

<https://africayescentre.org/>

**INNOVATION INCUBATIONS**

I-Hub 2018-“**AlexCane”**-Is an assistive device that increases the mobility of blind people.

ICT Authority 2018-To Date-“**AlexCane”**-Is an assistive device that increases the mobility of blind people.

Gearbox 2018. - “**AlexCane”**-Is an assistive device that increases the mobility of blind people.

Villgro Kenya 2019-“**REFA**”-Health record system with decentralized ledger based database.

**WORK EXPERIENCE**

* Hardware Developer Intern 2016-Wonderkid Multimedia Ltd. I developed prepaid water smart meter that captured the consumptions and sent to the service provider for billing.
* Strategy Manager at Viesta Brands Limited 2017-2018-Coffee manufacturing company in Ruiru.
* ICT Manager at Viesta Brands Limited Jan 2018 to May 2018-Coffee manufacturing company in Ruiru.
* White box Innovator at Ministry of ICT 2018-to date.
* CEO TotoSci Academy to date -A STEAM subjects academy. ([http://totosci.smartbeaver.co.ke](http://totosci.smartbeaver.co.ke/))

**EXPERIENCE INNOVATIONS**

* Prepaid Water Smart Meter-Captures water consumptions and send to the service provider.
* Prepaid Smart Lock-Locks rentals when rent not paid and opens once paid via MPESA.
* Smart Clothes Remover-Removes clothes once it’s raining and take them back once it stops.
* Ultrasonic water level monitor-Measures the level of water in any storage tanks.
* Eco Friendly bag-Khaki bags made from recycled papers.
* Anthar software-An app that alerts the motorists once approaching a notorious road sections.
* Luam black spot detector-A hardware that alerts drivers when at black spot roads.
* AlexCane-An assistive device that increases the mobility of blind people.

**PUBLISHED INNOVATIONS**

1. Black Spot Detector {Standard Media Group - 29th March 2016 Page 3.-Device\_that\_can\_reduce\_road\_crashes)
2. Luam Black Spot Tracer East African -4th April 2016 Page 20.) (Device\_that\_reduce\_road\_crashes)
3. Anthar Black Spot Software - Standard Media Group (Hashtag 20th July 2017 Page 7.) (Software\_that\_alert\_drivers\_on\_black\_spots\_roads)
4. Flood Detection System - Standard Media Group (Hashtag 3rd August 2017 Page 9.) (Device\_that\_predict\_flooding);
5. Ultrasonic Water Level Monitor- {=Standard Media Group = (Hashtag 31st August 2017 Page 9. (Device\_that\_monitors\_water\_level\_in\_storage\_tanks);
6. Eco-friendly bag - Standard Media Group (Hashtag 21st September 2017 Page 9.) (Students\_eco-friendly\_bag)
7. Smart Cane for Visually Impaired - Standard Media Group (Hashtag 12th July 2018 Page 9.) (Smart\_cane\_for\_visually\_impaired);
8. Smart Cane for Visually Impaired {Nation Media Group = (Business Daily 19th July 2018 Page 14.) (Smart\_cane\_for\_visually\_impaired)

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1. **AlexCane (Intelligent Blind Stick) -** “**AlexCane”**-Is an assistive device that increases the mobility of blind people.
2. **TotoSci Academy-** A STEAM Subjects academy for children above 4 years. [http://totosci.smartbeaver.co.ke](http://totosci.smartbeaver.co.ke/)
3. **TotoSci Academy Curriculum-** A STEAM Subjects academy for children above 4 years.

**REFEREES/MENTORS**

**Eunice Mueni Kariuki**

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Email:Eunice.kariuki@ict.go.ke

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Deputy Vice Chancellor Zetech University

Email:dvc.zetech@ac.ke