

Current Address

5000, Forbes Avenue
Pittsburgh, PA 15213

Lynn Kirabo

lkirabo@andrew.cmu.edu

<http://kirabo.io>

Permanent Address

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Pittsburgh, PA 15213

OBJECTIVE	To harness computational social science in the pursuit of mitigating contextual biases that limit technological advancement.	
EDUCATION	CARNEGIE MELLON UNIVERSITY	Pittsburgh, PA
	PhD student in Human Computer Interaction	<i>Expected, Dec 2023</i>
	CARNEGIE MELLON UNIVERSITY	Kigali, RW
	Master of Science in Information Technology, CQPA: 3.82/4.0, Valedictorian	May 2015
	MAKERERE UNIVERSITY	Kampala, UG
	Bachelor of Information Technology, CGPA: 4.48/5.00, First Class Honors	June 2008
PUBLICATION	ACM Compass 2018 (Poster)	Menlo Park, CA
	HCI4D through the Lens of Assistive Technology Research Concepts	June 2018
	Under Review	
	"Sister, are you going?" An Exploratory Study of Public Transit in East Africa	2018
WORK EXPERIENCE	Carnegie Mellon University	Pittsburgh, PA
	<i>Graduate Research Assistant</i>	Aug 2017 - to date
	<ul style="list-style-type: none"> - Collaborate on and initiate research projects: currently working on exploring public transit in developing countries and data logs from a transit app deployed in the United States (Tiramisu) 	
	Fenix International	Kampala, UG
	<i>Software Engineer</i>	April 2017 - July 2017
	<ul style="list-style-type: none"> - Working along side Software Engineers and Software Product Manager as part of an agile process on the development of applications solutions to meet customer requirements - Participating in the analysis and composition of requirements, design and architectural and component software features 	
	Vodafone Uganda	Kampala, UG
	<i>Jump.ug Writer</i>	Jan 2017 - May 2017
	<ul style="list-style-type: none"> - Generate technology focused articles to be posted on the business section of the platform - Write profiles of individuals successfully using technology in their businesses 	
	<i>Blogger Influencer</i>	Nov 2016
	<ul style="list-style-type: none"> - Generate social media content about the new MyVodafone web and mobile app as well as the chat+ app on personal social media sites 	
	Fenix International	Kampala, UG
	<i>Intern & Junior Software Engineer</i>	July 2015 - April 2017
	<ul style="list-style-type: none"> - Working alongside the Data Scientist to integrate models into core internal software FenixDB - Reviewing code, writing documentation and following all test procedures 	
	Carnegie Mellon University	Pittsburgh, PA
	<i>Graduate Teaching Assistant (Course: Java For SmartPhone Development)</i>	Jan - May 2015
	<ul style="list-style-type: none"> - Assisting students understand Object Oriented concepts of Java - Aide students in applying Object Oriented concepts in Android Development 	

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Carnegie Mellon University

Kigali, RW

Graduate Teaching Assistant (Course: Strategic Use of Digital Information)

Aug - Dec 2014

- Work with and support students taking the course
- Assist professor with assignment creation and grading

IBM Research Africa

Nairobi, KE

Research Intern

May - Aug 2014

- Worked alongside Senior Researchers to develop solutions that addressed Africa's grand challenges; healthcare, water and sanitation, education, human mobility and agriculture
- Provided support in facilitating field studies and collecting user requirements for my assigned project

World Bank

Washington, DC

Web Development Consultant

Sept 2013 - May 2014

- Developed & launched web interface for a project that focused on improving land quality to sustain the performance of African countries

Carnegie Mellon University

Kigali, RW

Administrative Assistant

Sept 2013 - May 2014

- Worked alongside admin staff to ensure website was updated frequently as well as managed Social media

Hive Colab

Kampala, UG

Digital Media Manager

April - Aug 2013

- Worked to ensure developer community attendance at technology related events through the use of Websites, Social Media and community awareness

Watoto

Kampala, UG

Interactive Coordinator

Aug 2007 - Feb 2013

- Headed the Web development team & worked to ensure that all the web interfaces i.e. social media, global websites & individual country microsite are kept up to date

ACADEMIC RESEARCH**Exploring public transit in developing countries***On-going*

Investigating trends and the eco-system of public transit in Rwanda and Uganda that can inform technological opportunity

Tiramisu Data Analysis*On-going*

Inferring origin, destination and determining user behavior using a location aware research testbed that logs user interaction to capture searched and favorited bus stops and routes

Assisting development of a research system that monitors eating moments

Fall 2017

EarBit is a wearable system that detects eating moments such as chewing, gulping, as well as other subtle behavior walking and talking

ACADEMIC PROJECTS**Transit Recommendation System**

Spring 2018

Created a location and popularity based algorithm to offer personalized route suggestions to users

Identification of Twitter bots from the 2016 Ugandan Election

Spring 2018

Created a tutorial using text classification to identify bot accounts from the 2016 Ugandan Election

To board or not to board. Analyzing perception of safety among transit users

Spring 2018

Created a tutorial using text classification to identify bot accounts from the 2016 Ugandan Election

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Using Blog Content in Gender Classification & Prediction (Paper) Spring 2015

Created a model that accurately distinguished between genders

Wander Spring 2015

Developed a mobile app to curate photos, tweets and statues on a chosen timeline

FitMate Spring 2015

Designed an app helps athletes connect with new workout partners and motivate active lifestyles

Ihangane Fall 2014

Designed a mobile app to collect health data to support HIV positive women and their babies

NituShoma Spring 2014

Created an e-Reader that curates and promotes local African content with support for both written & oral works

Kana Kanje Spring 2014

Developed a mobile app that helps empower and improve the lives of families with premature children

RELEVANT

Computer Science Principles for Practicing Engineers

Pervasive and Ubiquitous Computing

COURSES

Designing Human Centered Software

Applied Machine Learning

Practical Data Science

Mobile Service Innovation

RELEVANT

HCI4Development

UX Research

Android Development

Jupyter Notebook

SKILLS

Web & Mobile Design

Design Patterns

Java / Python Programming

Adobe Creative Suite

AWARDS

Inaugural FLIP Fellow (2018)

Grace Hopper Scholar (2018)

UN Women Scholarship (2013 - 2015)

Valedictorian, Carnegie Mellon University (Class of 2015)

1st Place: National Infographic Competition, Rwanda (2014)

3rd Place: National Infographic Competition, Rwanda (2013)

iLocator: Best ICT Innovation - IEEE Exhibition, Nairobi (2008)

First Class Honors, Makerere University (2008)

Vice Chancellor's List, Makerere University (2008)

LEADERSHIP

Blogger - Grace Hopper Celebration (2018)

Graduate Student Assembly Representative (2018)

Mentor: Rails Girls Summer of Code (2018)

Member: Women in SCS (2018)

Member: Young Researchers on ICT4D Reading Group (2017 - to date)

Judge: National Technovation Challenge (2016)

Founding Member: InnovateHerAfrica (2016)

R&D Officer - CMU-Africa: Encourage students to take part in competitions and other opportunities (2014)

Founding Member: Women of Technology Uganda (2011): Empowers girls to take on STEM careers

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SPEAKING INVITATIONS

Panelist, Youth Connekt - Transform Africa Summit (2017): *Exploring the opportunities on the frontiers of technology, urbanization and youth development*

Panelist, LeO Africa Economic Forum (2017): *Identity & Innovation in a Fast Changing World: How Global Culture is Influencing Leadership*

Commencement Speaker, National Technovation Challenge - Makerere University School of Public Health - Resilient Africa Network (2017): *Innovating for and with the Girl child*

Speaker, Inaugural FundiBots Connect Series (2017): *to the market! The case for Software & Hardware*

Alumni Spotlight Series, Carnegie Mellon University Africa (2017)