

**Current Address**

5000, Forbes Avenue  
Pittsburgh, PA 15213

**Lynn Kirabo**

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<http://kirabo.io>

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<b>OBJECTIVE</b>	To harness computational social science in the pursuit of mitigating contextual biases that limit technological advancement.	
<b>EDUCATION</b>	<b>CARNEGIE MELLON UNIVERSITY</b>	Pittsburgh, PA
	PhD student in Human Computer Interaction	<i>Expected, Dec 2023</i>
	<b>CARNEGIE MELLON UNIVERSITY</b>	Kigali, RW
	Master of Science in Information Technology, CQPA: 3.82/4.0, Valedictorian	May 2015
	<b>MAKERERE UNIVERSITY</b>	Kampala, UG
	Bachelor of Information Technology, CGPA: 4.48/5.00, First Class Honors	June 2008
<b>PUBLICATION</b>	<b>ACM Compass 2018 (Poster)</b>	Menlo Park, CA
	HCI4D through the Lens of Assistive Technology Research Concepts	June 2018
<b>WORK EXPERIENCE</b>	<b>Carnegie Mellon University</b>	Pittsburgh, PA
	<i>Graduate Research Assistant</i>	Aug 2017 - to date
	<ul style="list-style-type: none"> <li>- 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)</li> </ul>	
	<b>Fenix International</b>	Kampala, UG
	<i>Software Engineer</i>	April 2017 - July 2017
	<ul style="list-style-type: none"> <li>- 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</li> <li>- Participating in the analysis and composition of requirements, design and architectural and component software features</li> </ul>	
	<b>Vodafone Uganda</b>	Kampala, UG
	<i>Jump.ug Writer</i>	Jan 2017 - May 2017
	<ul style="list-style-type: none"> <li>- Generate technology focused articles to be posted on the business section of the platform</li> <li>- Write profiles of individuals successfully using technology in their businesses</li> </ul>	
	<i>Blogger Influencer</i>	Nov 2016
	<ul style="list-style-type: none"> <li>- Generate social media content about the new MyVodafone web and mobile app as well as the chat+ app on personal social media sites</li> </ul>	
	<b>Fenix International</b>	Kampala, UG
	<i>Intern &amp; Junior Software Engineer</i>	July 2015 - April 2017
	<ul style="list-style-type: none"> <li>- Working alongside the Data Scientist to integrate models into core internal software FenixDB</li> <li>- Reviewing code, writing documentation and following all test procedures</li> </ul>	
	<b>Carnegie Mellon University</b>	Pittsburgh, PA
	<i>Graduate Teaching Assistant (Course: Java For SmartPhone Development)</i>	Jan - May 2015
	<ul style="list-style-type: none"> <li>- Assisting students understand Object Oriented concepts of Java</li> <li>- Aide students in applying Object Oriented concepts in Android Development</li> </ul>	
	<b>Carnegie Mellon University</b>	Kigali, RW
	<i>Graduate Teaching Assistant (Course: Strategic Use of Digital Information)</i>	Aug - Dec 2014

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- 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

**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

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**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**

Android Development

Java Programming

Web Development

Jupyter Notebook

**SKILLS**

Web &amp; Mobile Design

Design Patterns

Python Programming

Adobe Creative Suite

**AWARDS**

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**

Graduate Student Assembly Representative (2018)

Mentor: Rails Girls Summer of Code (2018)

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

Judge: National Technovation Challenge (2016)

Founding Member: InnovateHerAfrica (2016)

R&amp;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

**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)