JOAN **NKIRIKI**

Pittsburgh, PA 15217 | C: 412-689-1734 | jnkiriki@andrew.cmu.edu

Education

Ph.D.: **Engineering And Public Policy**
Carnegie Mellon University — Pittsburgh, PA

- Proposed thesis: "Energy Development Pathways for Low Carbon Emissions in East Africa by 2050"

Master of Science: **Electrical And Computer Engineering** — **06/2017**
Carnegie Mellon University Africa — Kigali, Rwanda

- Lakshmi Subramanian CMU Africa Student Excellence Presidential Award, and Student Commencement Speaker (2017)
- Smart Africa Full Scholarship recipient (2016 - 2017)

Bachelor of Science: **Electrical Engineering** — **08/2013**
Lousiana Tech University — Ruston, LA

Experience

Graduate Teaching Assistant — **02/2020 to 05/2020**
Carnegie Mellon University — **Pittsburgh, PA**

- Maintained an atmosphere of academic learning in a graduate-level class of 40 students.
- Supported the instructor with curriculum development for "Sustainable Energy for the Developing World" course.

Teaching Assistant — **08/2017 to 03/2018**
Carnegie Mellon University — **Kigali, Rwanda**

- Supported the instructor with assignment grading, and student tutoring in the 'Market Planning for High Tech Innovation' graduate-level course

Associate Technical Professional — **10/2013 to 03/2016**
Halliburton Energy Services — **Houston, TX**

- Remotely supervised customer-facing teams in over 20 countries, as a liaison between the operations and business development groups.

Publications

J., Nkiriki and T. Ustun, "Mini-grid policy directions for decentralized smart energy models in Sub-Saharan Africa," 2017 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), Torino, 2017, pp. 1-6.

Additional Information

- My research is currently supported by the Steinbrenner Institute Doctoral Fellowship, and Presidential Fellowship in the College of Engineering
- Member, Doctoral Women in Engineering and Public Policy (Aug 2018 - Present)

Skills

- Suite: Microsoft Office, Google, Adobe
- Software: R Studio, Tableau, AutoCAD