FAITH WAVINYA MUTINDA

Email: wavinya.faith@gmail.com ⋄

EDUCATION

Nara Institute of Science and Technology October 2020 – March 2023 (expected)
PhD in Information Science and Engineering *Nara, Japan*

Nara Institute of Science and Technology April 2019 – September 2020
Master in Information Science and Engineering *Nara, Japan*

Osaka University April 2017 – March 2019
Research Student (Big Data Engineering Laboratory) *Osaka, Japan*

Kenyatta University May 2011 – December 2015
BSc Telecommunication and Information Technology *Nairobi, Kenya*

RESEARCH EXPERIENCE

Nara Institute of Science and Technology October 2020 – Present
PhD Researcher *Nara, Japan*

- Developed a deep-learning model to support automating meta-analysis; information extraction from clinical trials, statistical analysis, and results visualization

Nara Institute of Science and Technology April 2019 – September 2020
Master's Researcher *Nara, Japan*

- Developed a deep-learning model for computing semantic similarity in English and Japanese clinical texts

Osaka University April 2017 – March 2019
Research Student *Nara, Japan*

- Developed a machine learning model for time series link prediction using non-negative matrix factorization

WORK EXPERIENCE

MES (UK) Limited, Sesby July 2016 – March 2017
Support Staff *Nairobi, Kenya*

- Supported the production and quality assurance team to ensure timely delivery of orders
- Prepared summary reports on the quality status of the products based on quality assurance team reports

Safaricom Limited October 2015 – Jan 2016
Business Solutions and Architecture Intern *Nairobi, Kenya*

- Collaborated with field technicians and scheduled surveys to determine the best services to offer the clients
- Collaborated with field technicians and sales teams to prepare competitive business and technical proposals for clients

Jamii Telecommunications Limited May 2014 – August 2014
Network Operations Center Intern *Nairobi, Kenya*

- Coordinated with field technicians to ensure fast fault resolution within the slated service level agreement

- Coordinated with other network monitoring teams to minimize service outages and improve client satisfaction

LEADERSHIP EXPERIENCE

Nara Institute of Science and Technology IEEE Student Branch　　　　　Nara, Japan
Vice Chair　　　　　　　　　　　　　　　　　　　　*January 2020 – December 2021*

- Monitoring the progress of the student branch programs

- Preparing and submitting research proposals for IEEE events

Treasurer　　　　　　　　　　　　　　　　　　　　　　　*January 2022 – Present*

- Maintaining the student branch financial accounts and preparing the budget

SELECTED PUBLICATIONS

- **Mutinda, F.W.,** Liew K., Yada, S., Wakamiya, S., & Aramaki, E. (2022). Automatic Data Extraction to Support Meta-Analysis Statistical Analysis: A Case Study on Breast Cancer. BMC Medical Informatics and Decision Making

- **Mutinda, F.W.,** Yada, S., Wakamiya, S., & Aramaki, E. (2022). AUTOMETA: Automatic Meta-Analysis System Employing Natural Language Processing. Studies in Health Technology and Informatics

- **Mutinda, F.W.,** Yada, S., Wakamiya, S., & Aramaki, E. (2021). Semantic Textual Similarity in Japanese Clinical Domain Texts Using BERT. Methods of Information in Medicine

- **Mutinda, F.W.,** Nigo, S., Shibata, D., Yada, S., Wakamiya, S., & Aramaki, E. (2020). Detecting Redundancy in Electronic Medical Records Using Clinical BERT. The Association for Natural Language Processing