

# Curriculum Vitae - Ronald Opio

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## Contact Information

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Date of Birth : 17th July 1993  
Nationality : Ugandan  
Marital Status : Married

## Professional Experience

August 2019 to date      Position / Title: Graduate Fellow  
Institution: Makerere University, Department of Geography, Geo-informatics and Climatic Sciences

January to May 2020      Position/Title: Meteorologist (Volunteer)  
Institution: Software Systems Centre - Makerere University  
Project: AirQo project

September 2016 to July 2020      Position / Title: Research Assistant  
Institution: Makerere University, College of Computing and Information Sciences  
Project: Improving Weather Information Management in East Africa through the application of suitable ICTs (WIMEA-ICT).

## Academic Qualifications

March 2020 to date      PhD student in Atmospheric Sciences  
Institution: Makerere University

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2016 to 2018      Title: Master of Science in Environment and Natural Resources  
Institution: Makerere University

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2012 to 2015      Title: Bachelor of Science in Meteorology  
Institution: Makerere University

## Awards and Fellowships

2020 to date      IDRC/SIDA scholarship in Artificial Intelligence for Development  
2016 to 2018      WIMEA-ICT scholarship in the field of Numerical Weather Prediction.

## Academic Publications

1. Opio, R., Sabiiti, G., Nimusiima, A., Mugume, I., & Sansa-Otim, J. (2020). WRF Simulations of Extreme Rainfall Over Uganda's Lake Victoria Basin: Sensitivity to Parameterization, Model Resolution and Domain Size. *Journal of Geoscience and Environment Protection*, 8, 18–31. <https://doi.org/10.4236/gep.2020.84002>
2. Opio, R., Mugume, I., & Nakatumba-Nabende, J. (2021). Understanding the Trend of NO<sub>2</sub>, SO<sub>2</sub> and CO over East Africa from 2005 to 2020. *Atmosphere*, 12(10), 1283. MDPI AG. Retrieved from <http://dx.doi.org/10.3390/atmos12101283>

## Languages

- English: Excellent (reading, writing and speaking)
- French: Basic (reading, writing and speaking)

## Referees

Dr. Isaac Mugume (PhD),  
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