

# Benjamin Kweku Lugu

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## EDUCATION

Sept. 2021 – Present

### **The University of Alabama**

College of Education

Educational Studies in Psychology, Research Methodology, and Counseling

*Advisor:* Dr. Wenchao Ma

Sept. 2018 – Jul. 2021

### **University of Science and Technology of China (USTC)**

*Specialty:* Statistics

*School:* School of Management

Master's in Business Administration

*Advisor:* Prof. Li Yongjun

Aug. 2016 – Jun. 2017

### **African Institute for Mathematical Sciences (AIMS), Rwanda**

*Specialty:* Multivariate Statistics

MSc in Mathematical Sciences

*Advisor:* Dr. Joseph Nzabanita

Sept. 2011 – May 2015

### **University of Ghana, Legon**

*Specialty:* Mathematics with Statistics

*School:* School of Physical & Mathematical Science

BSc. Mathematics

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## WORK EXPERIENCE

Sept. 2017 – Jun. 2018

### **Kabkork Publication Ltd.**

Title: Senior High School Mathematics Book Designer

Responsibilities:

- Co-author of Public Senior High School Further Mathematics Government textbook
- Solved textbook problems, type, edit and typesets mathematical contents
- Collaboration with the Chief Editors, Authors and the Chief Executive Officer

Sept. 2015 – Jul. 2016

### **Akuafo Hall ICT Lab, University of Ghana**

Title: IT Administrator (National Service)

Responsibilities:

- Assist students and staff with IT related problems
- Supervisor of all the service personnel in my shift period
- Conduct research analysis

Nov. 2015 – May 2016

### **Kabkork Publication Ltd.**

Title: Senior High School Mathematics Book Designer

Responsibilities:

- Type, edit and typesets mathematical contents for Core Mathematics Government textbook for public Schools in Ghana
- Collaboration with the Chief Editor and the Chief Executive Officer

May – Aug. 2014

### **Ashaiman Senior High School**

Title: Student Intern

Responsibilities:

- Teaching Assistant for general and further mathematics
- Member of the internal examination evaluation board
- Classroom preparation for learning
- Participate in extracurricular activities

**MOST CURRENT  
VOLUNTARY  
TEACHING  
EXPERIENCE**

Dec. 2020 – Jan. 2021

**USTC**

Title: SEM Instructor

Responsibilities:

- Instructor for the 1<sup>st</sup> Winter BootCamp organized by the Foreign Student Association and International Student College of USTC on Structural Equation Modeling (SEM)
- Delivered content via physical interactions with students and online (zoom)
- Guide graduate students in the Social Sciences with SEM and research related problems
- Practical demonstration of how to use AMOS, SPSS, & Excel for SEM analysis

**COMPUTER SKILLS**

Writing: MS Word, Latex

Presentation: PowerPoint, Beamer

Analysis: MS Excel, SPSS, AMOS, PLS-Smart, R

**RESEARCH  
INTEREST**

- Structural Equation Modeling
- Bayesian Knowledge Tracing

**HONORS AND  
AWARDS**

- The Chesed Foundation Scholarship
- AIMS Rwanda Scholarship
- The Belt and Road Scholarship of USTC
- Graduate Council Fellowship, The University of Alabama

Jan. 2009 – May 2015  
Aug. 2016 – Jun. 2017  
Sept. 2018 – Jul. 2021  
Aug. 2021 - Present

**CONFERENCE &  
SYMPOSIUM  
ATTENDED**

- 2022 International Conference on Partial Least Square Structural Equation Modeling Oct. 2020
- Conducting meaningful research, the goal of a PhD program and desirable qualities of a PhD student Prof. Weile Ge Oct. 2020
- Measuring the Financial Impact of COVID-19 Prof. Robert F. Engle Jun. 2020
- The 3<sup>rd</sup> USTC International Workshop on Data-driven Research Jan. 2019
- International Conference on Pure and Applied Mathematics, University of Rwanda, Rwanda May 2017

**COMMUNITY &  
VOLUNTARY  
SERVICES**

- Umuganda: Regular participation in community cleaning activities on the last Saturday of every month from 8:00 am to 11:00 am, Rwanda

Aug. 2016 – Jun. 2017

- Outreach to three selected schools in Rwanda to enlighten the students on the need and relevance of STEM education. May 2017
- National Service as an IT administrator Sept. 2015 – Jul. 2016
- Community youth organizer and labor coordinator for the construction of a local public lavatory Dec. 2015 – Jul. 2016
- A three-day students' outreach to the Volta Region to encourage high school students on the need to pursue higher education Nov. 2014

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## SELECTED PUBLICATIONS

Arkorful, V. E., **Lugu, B. K.**, & Shuliang, Z. (2021). Unearthing mask waste separation behavior in COVID-19 pandemic period: An empirical evidence from Ghana using an integrated theory of planned behavior and norm activation model. *Current Psychology*, 1-16.

Arkorful, V. E., & **Lugu, B. K.** (2021). Voters' behavior: Probing the salience of Manifestoes, Debates, Ideology and Celebrity Endorsement. *Public Organization Review*, 1-20.

Arkorful, V. E., **Lugu, B. K.**, Hammond, A., & Basiru, I. (2021, January). Decentralization and Citizens' Participation in Local Governance: Does Trust and Transparency Matter?—An Empirical Study. In *Forum for development studies* (pp. 1-25). Routledge.

Lukman, S., Bao, P. X., **Kweku-Lugu, B.**, Arkorful, V. E., Latif, A., Gadabu, A., ... & Sadiq, M. A. (2021). Diasporan students social entrepreneurship intention: The moderating role of institutional support. *Journal of Public Affairs*, 21(1), e2108.

Bondzie-Micah, V., Qigui, S., Arkorful, V. E., **Lugu, B. K.**, Bentum-Micah, G., & Ayi-Bonte, A. N. A. (2021). Predicting consumer intention to use electronic health service: An empirical structural equation modeling approach. *Journal of Public Affairs*, e2677.