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2014 BHEARD Scholar  
**Emmanuel Kyereh**

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# Profile

<b>Country of Study:</b>	USA
<b>University:</b>	Louisiana State University
<b>Department:</b>	Food Science
<b>Student Position:</b>	Graduate Research Assistant — Ph.D.
<b>Home Country:</b>	Ghana
<b>Home Institution:</b>	Ministry of Food and Agriculture
<b>Home Position:</b>	Assistant Agriculture Officer
<b>Mentored By:</b>	USA: Subramanian Sathivel, PhD Food Science and Bioengineering Louisiana State University

## *Research Area: Food Science and Technology*

BHEARD PROGRAM START DATE: August 2014

HOMETOWN: Berekum, Ghana

UNDERGRADUATE EDUCATION: Postharvest Technology, University of Ghana, GHANA

GRADUATE EDUCATION: Crop Science (Postharvest Technology), University of Ghana, GHANA

RESEARCH INTERESTS: Grain Processing & Storage, Food Safety, Probiotics & New Product Development

“Africa is over burden with high postharvest losses especially in grains, which is causing food and nutritional insecurity across the continent.” Emmanuel feels responsible as a young postharvest technologist to make a meaningful contribution toward reducing postharvest losses across farm belts in Sub-Sahara Africa. “Grains form integral part of our daily diets in Sub-Saharan Africa hence the need to ensure all year round supply. Not just supply but affordability and quality as key factors,” he says. Emmanuel says he feels fulfilled when farm families in Africa are able to feed themselves and profit from their surplus produce. “This has been the driving force behind my passion for postharvest activities along the value chain especially in processing and storage.” In Ghana, Emmanuel works on Purdue Improve Crop Storage (PICS) bags with local farmers which started at Purdue University under USDA/FAS Borlaug fellowship program. “This bag has significantly impacted the lives of farm family’s by reducing pest infestations and maintaining

quality after storage.” His current research is a trial on Underground storage facility for grains. “All environmental issues will be taken into consideration before the construction.” Emmanuel says this will be an improvement over more traditional methods of underground grain storage.

#### PERSONAL STATEMENT:

Emmanuel is looking forward to become a lecturer and a researcher where he can engage in capacity building, role modeling and mentoring other young Agriculturalists. “Not only that but to be part of the agricultural extensions services where farmers can benefit extensively from my knowledge to help reduce food and nutritional insecurity in Ghana.” Emmanuel describes himself as “the easy going type” but not one to compromise, self-motivated and always eager to pick up a new challenge.

In his spare time, Emmanuel enjoys watching soccer, surfing the Internet, and spending time with his Mum.