

ADIKU, PROSPER YAW

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Objectives

The ECSU Research program would enable me have a better understanding of the concepts and principles underlying GIS applications and field design for environmental assessment. As a student interested in Remote sensing and GIS with an undergraduate dissertation title on erosion, this program would help enhance my understanding of GIS, image processing and change detection and measurement. It would also offer me the opportunity to acquire the necessary techniques for my current study as well as future studies into shoreline recession.

Educational background

Name of School	Dates	Certification and
University of Ghana	2005-Date	BSc. Oceanography & Fisheries
Bishop Herman Secondary School	2001-2004	SSCE

Experience

Date	Institution	Topic
February 2009	Dep't of Oceanography & Fisheries	GPS Spectrum survey training
June-August, 2008	Ghana Standards Board	Internship

Seminar/Presentation

1. March, 2008	Dep't of Oceanography & Fisheries	Trophic & Community Structure of Coral Reefs
2. February, 2009	Dep't of Oceanography & Fisheries	IAEA/RAF/07/008- 9002 and the GEF/UNDP/IMO-GLOBALLAST National Stakeholders seminar
3. April, 2009	Dep't of Oceanography & Fisheries	Setting up a baseline for Erosion Monitoring at Mukwe beach.

STATEMENT OF GOALS

I am an undergraduate student interested in Remote Sensing and Geographic Information Systems (GIS) and currently carrying out an undergraduate study on Erosion Monitoring. My ultimate career objective is to become a researcher and a lecturer in the University of Ghana.

The ECSU therefore presents a great opportunity for me to acquire the necessary skills and the exposure needed to achieve such targets.

My expected goals during this study program include:

- acquiring an understanding of the basic principles underlying GIS and its application in environmental assessment and the management of its resources.
- opportunity to interact with experts and other students in a common discipline in order to help me gain a deeper insight into this field of study.

This exposure would further better my vision of developing myself into a more resourceful researcher and a future lecture thus enabling me contribute effectively to GIS development and application in the Department of Oceanography and Fisheries and the nation as a whole. Of particular interest is the issue of coastline recession, of which my Department is currently building requisite capacity and become a centre of excellence in the region. Also, the current discovery of oil in Ghana raises concerns for marine pollution and I am sure application of remote sensing and GIS, with its wider coverage has a great role to play in this regard. This is the area I have become very much interested in, and am definitely sure the experience at ECSU would further pique my interest the more.