

SEFAH-TWEREFOR AMADI AFUA

P.O BOX AC 520, ARTS CENTRE, ACCRA-GHANA

+233-20-7708412

staamadi@gmail.com

OBJECTIVE

To participate in a combined internship Summer Research Programme, in ocean, remote sensing, cyber infrastructure and polar research at Elizabeth City State University and University of Kansas to be equipped and informed.

PERSONAL PROFILE

Nationality: Ghanaian

Languages: Twi, English

Date of birth: 8th January, 1988

Marital Status: Single

Strengths: Good leadership skills, creative, detailed and careful

ACADEMIC QUALIFICATIONS

2007 to date

Pursuing BSc. Oceanography and Fisheries

University Of Ghana

2003- 2006

West African Senior Secondary School Certificate

Achimota Secondary School

2000- 2003

Basic School Certificate

Achimota Junior Secondary School

WORK EXPERIENCE

2006/2007

Trainee at Emos Consultancy Limited, Trust Towers-Adabraka, Ghana

LEADERSHIP SKILLS

2009/2010

Team leader of Ghana Navigators, on University of Ghana campus

2009

- Secretary for the 2009 Ghana Navigators' Youth Camp
- Secretary for the 2009 Ghana Navigators' Retreat

2007

Camp official for Scripture Union, Ghana Youth Camp in Accra in the month of August

2005/2006

- Head Girl of Achimota Secondary School
- Vice president of the Scripture Union group in Achimota Secondary School (western campus)

2002/2003

- Assistant Head Girl of Achimota Junior Secondary School
- Vice president of the Scripture Union group in Achimota Junior Secondary School

INTERESTS

I am a third year student in the oceanography and fisheries department of the University of Ghana, Legon. My interest is in wild life, Remote Sensing and GIS, Global Climate Change and its effects and sea level rise. I love reading, drawing people, theatre arts, choreography and sightseeing. My goal is to set up a hospital, animal and crop farms, a complex of research institutes and a professional art training centre.

Research

Development of an Algorithm for Automatic Detection of Oil Slicks in Synthetic Aperture Radar Imagery (SAR) in the Gulf of Guinea

Supervisor: Dr. George Wiafe.

Undergraduate research work submitted to the Department of Oceanography and Fisheries, University of Ghana, Legon-Ghana.

The main objective of this research was to develop an adaptive oil spill detection algorithm using space-borne radar imageries from the Gulf of Guinea and be able to estimate the location and spatial extent of the detected oil slick. The relevance of the use of space borne data for oil slick monitoring is evident in increased vessel traffic off the coast of West Africa. Recent discovery of oil by some Gulf of Guinea states e.g. Equatorial Guinea and Ghana in addition to Nigeria further poses environmental threats to living coastal and oceanic resources. Hence, there is an urgent need to develop monitoring capabilities to detect and provide information of the rate and direction of spread of oil.

REFERENCES

Dr. George Wiafe (Senior Lecturer)
Department of Oceanography & Fisheries
University of Ghana
P.O. Box LG 99, Legon. GHANA
Tel. +233-24 4657 475
Fax: +233-21 502 701
WIAFEG@UG.EDU.GH

Dr. Linda Hayden, (Director)
Center of Excellence in Remote Sensing Education and Research
Elizabeth City State University
Box 672 1704 Weeksville Road
Elizabeth City, NC 27909
252.335.3696 office
252.335.3790 fax
HAYDENL@MINDSPRING.COM