

# James Ainooson

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## EDUCATION

### University of Ghana

August, 2004 – June, 2008

Bsc. Engineering (First Class Honours)

#### Major

Computer Engineering

#### Final Project Work

A Computer Based TV Broadcast Automation System

### Accra Academy

August, 2001 – June, 2003

Senior Secondary School Certificate

#### Course

General Science with physics, chemistry, geography and mathematics as electives.

## OTHER TRAINING

### Ghana Stock Exchange Securities Course

September, 2011 – December, 2011

Participant

#### Courses

- Introduction to Investment
- Financial Markets
- Corporate Finance
- Investment Analysis
- Portfolio Management
- Securities Trading
- Legal / Regulatory Frameworks for Financial Markets

## WORK EXPERIENCE

### National Trust Holding Company

August 2009 – Present

Software Engineer, Product Research and Development Unit

Working with a team of corporate finance experts and information technology professionals to find ways of improving the delivery of the company's products through the innovative use of information technology. Much of the work of the team is geared towards branch-less banking solutions.

#### Primary responsibilities:

- Design systems to improve the delivery of the existing products offered by the company.
- Write code for the improvement of the company's proprietary fund management software.

- Work with third party vendors to assist them in integrating their systems with the company's systems.
- Work with the finance team to research on better ways to leveraging the strengths of information technology in delivering the company's products.
- Prepare training materials and administer training sessions for staff on new technologies in the company.
- Supervise software engineering interns.

#### Some major projects undertaken:

- Reverse engineering of the Ghana Stock Exchange live feed protocol to help in integrating with the trading platform of the stock exchange.
- Implementation of a GIS enabled branch-less mobile banking system; based on mobile point of sale terminals and smart phones.
- Implementation of a security system to help secure remote withdrawals using biometric fingerprint authentication and mobile Short Message Service (SMS) proxy tokens.
- Development of a common and consistent front-end to most of the company's software systems to help improve user experience and minimize errors.
- Setting up of a data visualisation tool-kit based on a collection of open source tools primarily used for analysis and reporting.

### University of Ghana

*September, 2008 – July, 2009*

Teaching Assistant, Department of Computer Engineering, Faculty of Engineering Sciences

#### Primary responsibilities:

- Assisting lecturers in preparation, administering and grading of student lab exercises.
- Grading of course assignments and tests.
- Assisting students with their coursework through special office hours.
- System administration of the Linux and other Unix-like systems in the various labs of the department.

#### Courses:

- Introduction to C++ Programming
- Software Engineering
- Artificial Intelligence
- Introduction to Java Programming
- Programming Language Fundamentals

## INTERNSHIPS

### Millicom Ghana Limited

*May, 2007 – August, 2007*

Student Engineer, Radio Access Unit

Worked with the engineers of the radio access unit in carrying out various maintenance tasks at the Base Transceiver Stations across the city of Accra for the “tiGO” mobile phone service.

## Digital Electronics and Nuclear Instrumentation Centre of The Ghana Atomic Energy Commission

May, 2006 – August, 2006

Student Programmer

Wrote different pieces of software to assist researchers in their work mainly in embedded systems.

## Engineering Training School of The Ghana Broadcasting Corporation

May, 2005 – August, 2005

Student Engineer

Spent time to study about how the broadcasting station works. Worked briefly in the radio studios, TV studios and transmitter stations performing simple tasks.

## HONOURS AND AWARDS

1. **2008:** Best graduating student, Computer Engineering Department, University of Ghana.
2. **2007:** Beneficiary of the Commonwealth University Study Abroad Consortium (CUSAC) scholarship for a one semester study at the University of Guelph in Ontario, Canada.
3. **2006:** Member of the winning team for the University of Ghana Students Web Portal Design competition.

## PERSONAL DETAILS

Date of Birth	11th June, 1987
Gender	Male
Nationality	Ghanaian
Marital Status	Single
Languages Spoken	English (Fluent), Fante (Fluent), Twi (Fluent) and Ga
Hobbies	Photography, Playing computer games, Hip-Hop beat production

## PROFESSIONAL PROFILE

- Demonstrated ability to create goals and objectives and implement plans and strategies through my software engineering work with NTHC.
- Great working knowledge of computers. Can program very well in (C, C++, Java, PHP, Python and Ruby) and posses the ability to learn new languages easily when necessary.
- A lot of experience with Unix based operating systems.
- Ability to work independently with very little or no supervision.

## REFEREES

Dr. Isaac K. Nti,  
Lecturer and Researcher,  
Computer Engineering Department,  
University of Ghana,  
Legon.

Mr. Francis K. Nyoagbe,  
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