

**ALCORN STATE UNIVERSITY**  
**Position Description Form**



School/Division	AREAS
Department	Advanced Technologies
Position Title	Software Engineer
Reports to	Dr. Kwabena Agyepong
Salary Range	Negotiable

Position Type:	FLSA Status	Job Status:	Position Work Schedule:
<input checked="" type="checkbox"/> Faculty	<input type="checkbox"/> Exempt	<input checked="" type="checkbox"/> Full-time	<input type="checkbox"/> 12-Month
<input type="checkbox"/> Staff	<input type="checkbox"/> Nonexempt	<input type="checkbox"/> Part-time	<input checked="" type="checkbox"/> 9-Month
<input type="checkbox"/> Bi-Weekly		<input type="checkbox"/> Retiree	<input type="checkbox"/> Less Than 4½ Months
		<input type="checkbox"/> Intern	

CONTACTS	INQUIRIES
SRI Team, Department Chair, Faculty, Staff, Students	Dr. Kwabena Agyepong, Director Systems Research Institute Department of Advanced Technologies 1000 ASU Drive # 360 Alcorn State, MS 39096 Electronic submission (Preferred) <a href="mailto:kwabena@alcorn.edu">kwabena@alcorn.edu</a>

**GENERAL DESCRIPTION**

The Systems Research Institute (SRI) **Department of Advanced Technologies**, School of Agriculture, Research, Extension, and Applied Sciences has immediate openings for Software Engineer. The initial appointment is 1 year with a possible extension based on available funds and performance. They should be able to legally work in the United States. They should be willing to relocate as per the job requirements.

**WORK EXPERIENCE REQUIREMENTS**

- Must have a very strong server side programming skills in C# and C++ and .NET on Windows platform and SQL Server 2005.
- Must have a minimum of two years application development experience in the following concepts and technologies:
  - Object Oriented Analysis, Design and Development
  - N-tiered client/server development and web services
  - Visual Studio.Net
  - Windows Server 2003/XP
- Must also be very good in multi-threading programming.
- Must have some background in Image Procession (algorithms such as Calcification, Mass, Architecture Distortion).
- Must also have a working knowledge with MATLAB.

**EDUCATION REQUIREMENTS**

MASTERS IN COMPUTER SCIENCE OR RALATED FIELD AND/OR 2 YEARS OF EXPERIENCE IN .NET C# DEVELOPMENT

**PHYSICAL REQUIREMENTS/ DEMANDS**

They should be able to legally work in the United States. They should be willing to relocate as per the job requirements.

## RESPONSIBILITIES

The person hired will be working directly under the supervision of the software lead. She/he will be responsible to translate the MATLAB image processing code in to C# and also will be responsible to create web based application using .NET technologies and relational databases. She/he will be working with the scientists to collect the required data for the project. She/he may have teaching responsibilities also.

## KNOWLEDGE/ ABILITIES/ SKILL REQUIREMENTS

- Must have a very strong server side programming skills in C# and C++ and .NET on Windows platform and SQL Server 2005.
- Must have a minimum of two years application development experience in the following concepts and technologies:
  - Object Oriented Analysis, Design and Development
  - N-tiered client/server development and web services
  - Visual Studio.Net
  - Windows Server 2003/XP
- Must also be very good in multi-threading programming.
- Must have some background in Image Procession (algorithms such as Calcification, Mass, Architecture Distortion).
- Must also have a working knowledge with MATLAB.

## Approvals:

\_\_\_\_\_  
Chairman of Department

\_\_\_\_\_  
Date

\_\_\_\_\_  
Vice President for the Unit

\_\_\_\_\_  
Date

\_\_\_\_\_  
Director of Human Resources

\_\_\_\_\_  
Date