**J**AMAAL ROBY

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SKILLS

Advanced problem solving skills Java  
Troubleshooting and debugging C, C++  
Innovative AJAX  
Exceptional time management LabVIEW  
Android Development R

WORK HISTORY

Research Assistant, 03/2014 to Current  
Texas Southern University – Houston, TX

Responsible for maintaining resource archives for both computer files and hard copy materials.  
Able to identify complex problems and determine the proper course of action Provides written and  
verbal communication on work performed Often called on to assist with more comprehensive and  
complex projects.  
Collaborated with advisor to design, build and test systems.  
Maintained existing applications and designed and delivered new applications.  
Debugged and modified software components.  
Spearheaded development of Energy Efficient Wireless Sensor Networks test bed using Wireless  
Power Transfer.  
Developed PowerPoint, poster, and in-lab presentations to communicate research findings

Firefighter, 04/2009 to 08/2012  
Little Rock Fire Department – Little Rock, AR

Communicated with traumatized and injured people to determine medical needs, fire origins and  
number of persons in need of rescue.  
Implemented corrective and preventive measures.  
Frequently lifted up to 200 pounds in the course of extinguishing fires and treating injured persons.  
Promoted teamwork, communication and conflict resolution among shifts, districts and other departments and agencies.  
Participated in civic and other community groups to promote public understand of fire safety.  
Instrumental in the increased recruitment of women and minorities by 53% within one recruiting  
cycle.  
Developed & conducted interview-process training for minority civilians to enhance potential candidate’s ability successfully to complete process

Avionics Team Leader, 08/2005 to 01/2008  
United States Air Force – Eglin Air Force Base, FL

Expertly troubleshot test cable used on 80% of ESTS line replaceable units (LRUs); returned test  
station to full mission capability allowing testing of 3 mission capable LRU\'s.  
Isolated station communication fault to Versatile Modular European Extension for Instrumentation  
(VXI) unit; performed cable repair on VXI unit and brought ESTS from 0-100% capability in less  
than 4 hours.  
Key member to avionics flight post-attack reconnaissance team during Team Eglin\'s HQ ACC/AFMC  
operational readiness inspection ensuring 100% building/personnel safety after simulated enemy

attacks leading to an overall "Excellent" rating.  
Utilized schematics to diagnose analog radar target data processor voltage failure to a defective  
cable assembly.  
Repaired cable assembly in one shift and save the wing $15k in repair costs.  
Found anomaly in critical software update and coordinated with Northrop Grumman to solve AF-wide  
deficiency Centers for Research Excellence in Science and Technology.

Avionics Technician, 07/2003 to 08/2005  
United States Air Force – Royal Air Force Lakenheath, United Kingdom

Expert troubleshooter identified two defective waveguide seals as the cause of a complex radar  
receiver failure that returned the shop-standard to fully mission capable status in one shift.  
Isolated elusive test station failure in EARTS to severely damaged coaxial connector pin. Averted  
further station downtime; performed a 7-level repair action as a 3-level and save $19k in wing  
assets  
Revamped lifting device continuity binder; earned zero defects on 15 devices for US Air Force  
Europe\'s 2003 Unit Compliance Inspection  
Constantly exceeded squadron training requirements; completed an outstanding 72% of 5-level  
upgrade training in 5 months - upgrade training normally scheduled for 16 month period  
Successfully diagnosed ESTS communication failure to evaded personnel for 80 man hours; isolated  
fail to damaged chassis wiring, arranged warranty repair and saved the wing $250k  
Skillfully identified an elusive hardware deficiency that cause crippling energizing failures to ESTS  
test station; Cannibalized hard drive, reconfigured, and reloaded operating system and increased  
capability by 25%.

EDUCATION

Bachelor of Science: Computer Science, DEC 2016  
Texas Southern University - Houston, Texas

GPA - 3.73 (Overall) 3.97 (Major)

Electronics Principles Technical Training F-15 Avionics Test Station and Aircraft Component  
Apprentice: JAN 2003 – AUG 2003  
U.S. Air Force - Eglin AFB

Non-Commissioned Officer Training: AUG 2006  
Airman Leadership School - Eglin AFB

AFFILIATIONS

Texas Southern Computing Society - Member  
TSU Mobile Application Development Group - Founding Member/ Vice President  
S.T.E.M. Enchantment Mentor

ACCOMPLISHMENTS

TSU Mobile Application Development Group Co-Founder  
Travel Grant Award - Emerging Researchers National conference 2014 & 2015  
Outstanding Student Award 2015 - College of Science Engineering and Technology (Computer Science  
Department)

VOLUNTEERING

Co-founded Mobile Application Development organization at TSU - AUG 2015  
S.T.E.M. enchantment program - DEC 2014 - Jun 2015