

# Terrell L. Johnson

## Permanent Address

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## Local Address

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**OBJECTIVE:** Obtain an internship in the field of Electrical Engineering

## EDUCATION

Southern Illinois University -  
Major: Electrical Engineering  
Graduation Date:  
GPA:

Carbondale  
Bachelor of Science  
Dec 2013  
2.724 (4.0 scale)

## SENIOR DESIGN

### **Senior Design (Aug 2012-May 2013) – Cessna Aircraft Company/Raytheon Missile Systems**

- Design, fabricate, and demonstrate the flight capabilities of an unmanned, electric powered, radio controlled aircraft
- Responsible for the fabrication of an effective propulsion system while insuring affordable manufacturing costs
- Collaborating with a team of Electrical and Mechanical Engineers to produce an effective, optimized aircraft

## PROFESSIONAL EXPERIENCE

### **UTC Aerospace Systems- Electronics Test Equipment Intern-Hardware (May 2012-Aug 2012)**

*-Worked as a team with Electrical, Mechanical and Software Engineers providing test stands and electronic test equipment support*  
*-Completed 2 test stands that will be used to test the functionality of the KC-46 Tanker military aircraft*

- Modified design drawings for Mechanical and Electrical Schematics using Cadence and Solid Edge
- Ordered test box components and established parts kits
- Coordinated with lab technicians to have project completed in timely manner
- Managed resources (in house labor and outside vendors)
- Trouble Shoot and fault isolation
- Familiar with ACE tools to capture turn-backs and lessons learned to drive continuous improvement in the development of production test equipment

### **UTC Aerospace Systems- Electronics Test Equipment Intern-Hardware (May 2011-Aug 2011)**

- Trouble Shoot and fault isolation of test equipment in hardware
- Procurement of Hardware
- Documentation (Schematic drawings/Specification Sheets)
- Gained knowledge of engineering tool Allegro/Cadence to build basic schematics

## SKILLS

- Matlab
- C/C++
- Xilinx
- Solid Edge
- Allegro/Cadence
- Microsoft Office/Outlook
- Basic AutoCad
- Oscilloscope Instruments
- Soldering Techniques

## HONORS/AWARDS

- Minority Engineering Scholarship, 2010-13
- Caterpillar Excellence Scholarship, 2011-12
- College of Engineering Scholarship, 2010-12
- Member: Golden Key Honor Society, 2010
- Dean's List, 2009-10
- Certificate of Excellence, 2010

## ACTIVITIES

- Secretary, Society of Hispanic Professional Engineers, 2010
  - Most improved registered student organization
  - Helped increase membership by 267%
- Member: National Society of Black Engineers, 2010