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ANDREWS BOATENG

OBJECTIVE

- Seeking an electrical engineering position

EDUCATION

Northern Arizona University   Flagstaff, Az   Jan. 2003 – May 2008
Major: Electrical Engineering   Minor: Math

- Cumulative GPA : 3.65/4.00
- Internship Experience:

W.L Gore & Associates (06/2006- 08/2006)

- I phased and tested a Parker motor with a Gemini GV Servo Drive in PMAC software.
- I wrote a Microsoft Visual C# program that received its data through an RS-232C which was connected to a digital Imada Force Gauge. The program measured the peak forces of different lots and stored the data in a file and a database.
- I wrote a Labview program that used a Data Acquisition Hardware (DAQ – USB1608FS) a Land Instrument Infrared Thermometer and a DPU processor to read the temperature of a point, log it in a file and display it on a waveform. With the lenses of the thermometer, the point to be measured was focused and the output signal was then sent to the DAQ at its analog input using the DPU processor and the infrared thermometer. The DAQ then transformed the data into digital signal and sent it to the USB port of the computer which was then read by the software program. The program logged the data in a file and displayed it on a waveform either in Celsius or Fahrenheit scales.

- Software:
  - Labview, Multism, Minitab, Mat lab, C++, C#, Athena's Deckbuild, PMAC, JDE, Excluder, NQC, VHDL, Mentor Graphics (Design Architect, IC Station), MS Project, 68K, PowerWorld, DreamWeaver .
- Courses:
  - Electrical and Electronic Circuits, Op-Amp and 555 timer circuits, Engineering Statistics, Semiconductor theory, Electromagnetism, VLSI design, DSP, Power
- Senior level projects:
  - Working on APS research project on renewable resources feasible in the Coconino community
  - Used Mentor graphics' Design Architect and IC station to design

and test a mux and a four bit gray code counter
- Junior level projects:
  - Led a team of four and completed successfully a second phase of an automation test bench for South West Wind Power
  - Used Athena's Deckbuild simulation software to build a CMOS transistor from a silicon wafer.
- Sophomore projects:
  - Designed two robots using light sensors, rotation sensors and RCX2 incorporated with NQC that picked up objects from a location and delivered them to a drop zone in a specified arena

AWARDS RECEIVED

- Dean's List from Spring 2003 to Fall 2007
- Micron Scholar from August 2005 to May 2008

WORK EXPERIENCE

W.L Gore & Assoc.   Flagstaff, Az   June 2004 to present
Manufacturing Operator
- Make and fully inspect AAA implants for Abdominal Aortic Aneurism patients.
- Input quantity of device lots into computer programs for better tracking.
- Worked full time to support myself through school

Wal-Mart   Flagstaff, Az   Feb. 2003 to Aug. 2004
- Sold products and helped control and monitor inventory.
- Gave assistance to customers whenever possible.
- Worked full-time to support myself through school.

PROFESSIONAL MEMBERSHIPS

- National Society of Black Engineers (2003)
- IEEE

REFERENCES

- Available upon request