

[REDACTED]

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Education

- Iowa State University Ames, Iowa (Fall 2002 - May 2007)
- Majors: Electrical Engineering and Physics and Mathematics
 - 3.95 GPA

Employment

- 2006) Tutor for Lead Homework Help Center (Present, Spring)
- Helping students understand and apply concepts in the areas of math, physics, and electrical engineering
 - Leading group test review sessions
- Internship - Lawrence Livermore National Laboratory (Summer 2006)
- Measured beam emittance of electron accelerator
 - Tested optical transmission system for proper angular resolution
 - Modeled electronic devices for pulsed power applications
 - Tested Mathematica model of plasma flux tubes and B-Field detectors in SSPX
- 2005) Internship - Texas Instruments (July 2005 - December)
- Designed generic probe interface board, probe card, and spider card, for rapid device testing applications
 - Drafting multiple printed circuit boards for device testing
- 2004) Internship - Hitachi Global Storage (May 2004 - December)
- Laying out analog circuits to meet design specifications in Cadence Environment
 - Creating Oceanscripts to test performance under varied processing and external parameters
 - Built charge pump, voltage controlled oscillator, and phase lock loop for simulation using Verilog-A
- 2004) Research Assistant - Iowa State University (Fall 2002 - Spring)
- Creating and maintaining programs to read results from PHENIX quark-gluon plasma experiments
 - Analyzing and developing models to fit the results of kaon momentum spectrum using ROOT
 - Developing software simulations of particle decay

Skills

- Programming C/C++ and Motorola assembly languages
- Solving and analyzing problems using Mathematica and Matlab
- Designing and testing devices and circuits using Verilog-A
- Organizing and reporting data using Microsoft Excel
- Analog circuit simulation using Oceanscript in a Cadence Environment
- Analog Circuit Layout in Cadence Environment

Activities

- President of Nigerian Student Union (Present)
- Carver Academy Peer Mentor (Present, Fall 2003 - Spring 2004)
- NSBE Pre-College Initiative Chair (Present)
- Volunteer physics tutor (Spring 2003 - Present)
- Treasure of Nigerian Students (Spring 2005 - Spring 2006)

- Independent study of plasma physics (Spring 2006)
- Heart House Afterschool Volunteer (Fall 2005)

Achievements

- George Washington Carver Scholar (Fall 2002 - Present)
- ISU Engineering College Scholarship (Fall 2002 - Present)
- Daniells Memorial Math Scholarship (Fall 2006 - Present)
- Bernice Black Durand Undergraduate Research Scholarship (Spring 2004)
- Margherita Tarr Estate Engineering Scholar (Fall 2003 - Spring 2004)