

MELINDA S. DEES

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Objective: To obtain a position that will require the following skills and abilities.

Education

Bachelor of Science

Expected: May 2007

University of North Carolina at Charlotte

- Major 1: Computer Engineering
- Major 2: Electrical Engineering
- Minor: Mathematics
- Overall GPA 3.1/4.0

Related course work: Computer Architecture, Hardware Systems Design, Microelectronics, Embedded Systems, VLSI Processing, Electromagnetic Fields, Engineering Design, Analog/Digital Communication, Calculus, and Differential Equations

Experience

Stiquito Build for Dr. James Conrad, at UNC Charlotte (October 2006 - Present)

- Build autonomous robots to be sold for observation purposes

Student Computing Consultant, ITS Desktop Support at UNC Charlotte (January 2004 - Present)

- Install computer devices and drivers
- Install and troubleshoot software and operating systems
- Troubleshoot problems for UNC Charlotte faculty in person and on phone, and other 1st level support

Engineering and Mathematics Tutor, PRODUCE and BEST at UNC Charlotte (January 2005 - Present)

- Offered tutorial services for several mathematics and engineering courses

Multi-Disciplinary Senior Project (August 2005 - May 2006)

- Researched with mechanical, civil, and other electrical/computer engineering students in conjunction with AREVA to design a new fuel handling system for a BWR

Research Experience for Undergraduates, CPES at Virginia Tech, Blacksburg VA (June 6 2005 - July 29 2005)

- Researched with other students on the processes of photolithography and electroplating

VLSI Processing Research for Engineering 1201 (August 2002 - December 2002)

- Gained experience in a packaging lab and worked with a group of students to create a wafer of Bluetooth antennas, construct the final report, and transfer the report to PowerPoint for group presentation

Awards/Scholarships

Dean's List

(January 2006 - May 2006)

NC Space Grant Research Scholarship \$2000 per semester (August 2006 - Present)

- Research with advisor on the ability of an inexpensive micro robot circuit to operate in a sub-zero space environment

Producing Readiness of Diverse University Cohorts in Education Scholarship (August 2005 - Present)

- \$1000 per semester
- Responsibilities include: provide tutoring, attend seminars, and provide research

Skills/Abilities

Hardware/Software

- Programming in C and Java
- Gained experience in: AutoCAD, MatLab, Microsoft Office, and PSpice
- Operating Systems: Unix (Sun Solaris), and all Microsoft Windows platforms

Leadership

- Served as president for the UNC Charlotte chapter of the Society of Hispanic Engineers
- Served as vice-president for the UNC Charlotte chapter of the National Society of Professional Engineers
- Served as vice-president and secretary for the Squires Hall Council at UNC Charlotte
- Graduate of the William States Lee College of Engineering Leadership Academy
- Assistant for the North Carolina Junior Engineering Technical Society program

Communication

- Fluent in both English and Spanish