Eboni Fennell DuBose

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OBJECTIVE:

To apply both my technical background as a chemical engineer and skills gained in the classroom as a middle school science educator to a career in instructional design, creating learning experiences for adults, thereby improving employees' skills, knowledge, and job performance

QUALIFICATIONS:

- Excellent technical communication skills
- Successful grant writer
- Served on Franklin County's science curriculum pacing guide committee for 3 years where our goal was to develop district-wide assessments, created thematic units that focused on essential core knowledge, and provided examples of how to integrate 21st century skills into the classroom
- Designed lesson plans to ensure student engagement, instruction, and assessment
- Experienced in the use of Web 2.0 technologies-Blogging, Wikis, Moodle, BlackBoard
- Engineering background attests to problem solving and analytical abilities, as well as the dexterity to interpret, develop, analyze, and implement ideas
- Successfully carried projects from conception to completion in both academia and industry

EDUCATION & TEACHING LICENSE:

North Carolina Department of Instruction Teaching License- Raleigh, NC

- Middle Grades Science (6-9), 2008-2012
  - Completed Licensure Coursework through the following Colleges/Universities
    - University of North Carolina, Pembroke, NC, Summer 2006
    - Wesleyan College, Rocky Mount, NC, Fall 2006
    - Nash Community College, Rocky Mount, NC, Spring 2007

Georgia Institute of Technology- Atlanta, GA (May 2004)

- Bachelor of Science in Chemical Engineering

EXPERIENCE

TEACHING:

Cedar Creek Middle School – Youngsville, NC

6th grade Science Teacher, 2004 – Present

- Significant contributor to a professional learning group whose focus was to discuss and implement best practices in teaching
- Created effective student-centered hands-on lesson plans that follow the 5E format (Engage, Explore, Explain, Elaborate, and Evaluate)
- Incorporated educational technology into science classes to prepare students to be 21st century learners
- Assisted in science curriculum review, in particular the evaluation and revision of the science education curriculum with the goal of integrating technology with traditional classroom-based methodologies
- Provided technological support to teachers looking to implement Web 2.0 in their classrooms

CEISMC **(Center for Education Integrating Science, Math & Computing**)- Atlanta, Georgia

Math/Science tutor, 2002-2004

- Mentored for 2 years in the Mentor for Success (MFS) program, designed for approximately 150 middle and high school students from underrepresented groups in the City Schools of Decatur. The ultimate goal was to encourage them to take higher level high school courses in science, mathematics, and technology
- Provided tutorial/academic support for students
- Assisted classroom teachers with labs and demonstrations

Mad Science® , Atlanta, GA and Raleigh, NC locations

Instructor, Summer 2002 and Fall 2003

- Demonstrated science concepts to students through experiments and instruction
- Lead students through hands-on and inquiry-based experiments that met national and state science curriculum standards
- Engaged students in high interest lessons designed to stimulate imagination and encourage interest in science

TECHNICAL EXPERIENCE

North Carolina State University , Raleigh, NC
Summer Research Assistant, 2002-2003

- Worked as part of a bioengineering research team
- Developed technical communication skills through both written and oral reports

Major project: "Toluene bioconversion to p-hydroxybenzoate by fedbatch cultures of recombinant Pseudomonas putida"

Eastman Chemical Company, Kingsport, TN
Engineering Co-op, 2000-2002

- Gained real world understanding of chemical processes, process design and optimization
- Experience working within teams to solve real world problems
- Developed effective communication skills both orally and written

***Major projects*:**
Plasticizer, Additives, and Compounds (Fall 2000)
Coal Gasification Process Improvement (Summer 2001)
Polymers Manufacturing Engineer (Spring 2002***)***

LEADERSHIP

Georgia Tech African American Student Union, Atlanta, Georgia
President, 2004-2005

- Successfully eliminated organization debt and increased financial surplus to over $5,000
- Increased membership of organization by over 300% by revamping meetings to include education in economics, social responsibility, and professional development, improving member involvement and engagement
- Originated Georgia Tech's 1st Annual Black Leadership Conference that provided students the opportunity to connect and network with alumni and corporate businesses and attend academic and professional development workshops
- Established working relationships with corporate businesses and alumni for future funding and networking

Georgia Tech Women's Leadership Conference, Atlanta, Georgia
Workshop Co-chair, 2003 and 2004

- Worked as part of a team to identify and recruit workshop presenters from a variety of fields, including business leadership, entrepreneurship, and professional development
- Secured workshop venues
- Served as conference facilitator and resource to workshop presenters and attendees

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COMPUTER SKILLS:

- MS Office (Word, Powerpoint, Excel, Publisher)
- Web 2.0 (Blogging, Wikis, Moodle)
- Multimedia and Web development (HTML, Flash, Adobe Premier, Photoshop, Camtasia)

ACTIVITIES: Science Department Co-Chair , Science Club Advisor, Black History Month Advisor
Member of Classroom 2.0 and the Member of the eLearning Guild