Uchenna C. Onwuegbusi				
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OBJECTIVE	To seek and secure admission into Medical School in fall 2013 after a well-round development of extensive scientific research, academic and interpersonal skills.			
EDUCATION	<b>Bachelor of Science, Engineering (Biomedical Engineering)</b> GPA Tulane University, New Orleans, LA	a: 3.14 May 2013		
	Bachelor of Arts, PhysicsGPA: 3.89Xavier University of Louisiana, New Orleans, LAGPA: 3.89	May 2013		
	Minor: Mathematics			
	Academic Honors: Dean's List Xavier University Academic Endowment Scholarship Coulter Foundation Research Scholarship Samuel Newhouse Academic Scholarship NASA STEM Academic Achievement Scholarship			
RESEARCH EXPERIENCE	<ul> <li>Biomedical Engineering Research Assistant</li> <li>October 2011-present</li> <li>Tulane University, Biomedical Engineering dept, New Orleans, LA</li> <li>Culturing large multi-cellular aggregates of breast tumor cells in the form of tumor spheroids, using hanging drop method in PDMS wells. These spheroids will be used for in vitro studies of PEI-HIFU ablation therapy for tumors.</li> </ul>			
	<ul> <li>Summer Undergraduate Research Fellow June-August 2011</li> <li>Mayo Clinic, Rochester, MN</li> <li>Performed series of experiments to determine and characterize the inhibitory effects of two herbal extracts, Resveratrol and Gallotannin, on the binding of calcium oxalate to rena epithelial cells in kidney stone formation.</li> </ul>			
	<ul> <li>Chemistry Research Assistant August 2010-Present Xavier University, New Orleans, LA</li> <li>Currently carrying out extensive research and performing series of experiments to form single molecule magnets by metal complex reactions with organic acids with multiple donor atoms such as galactaric acid and D-mannaric acid. These magnetic materials with microscopic dimensions if found will advance many braches of material science.</li> </ul>			
	<ul> <li>Research Experience for Undergraduates (REU) Participant University of Notre Dame, Notre Dame, IN</li> <li>Carried out theoretical research on spin polarized scanning tun to operate a scanning tunneling microscope, and organized and Omicron Ultra-high vacuum STM for the Electrical Engineering</li> </ul>	d managed the repair of an		
WORK EXPERIENCE	Computer lab assistant, Xavier University Biology tutor, Xavier University Biology grader/Dorm monitor for high school students	August 2010-Dec 2010 March 2009-present Summer 2009		
VOLUNTEER/ HOSPITAL	Touro Hospital Volunteer/Physician shadowing (3 hours/week) Children's Hospital Volunteer, New Orleans(2 hours/week) Tulane Hospital, Atrial fibrillation Surgery shadowing (3hours)	January-present January-present October 2011		
EXPERIENCE	Mayo Clinic , Minnesota ( Physician shadowing, 2 hours/week) Notre Dame Nursing Home volunteer	June 2011-August 2011 January 2011-May 2011		

	Physics tutor, New Orleans Public High Schools	August 2009-May 2011
LEADERSHIP & SERVICE	Member, Society of Women Engineers Academic Excellence Chair, National Society for Black Engineers Wellness Peer Counselor, Xavier University Counseling Center Student member, American Physical Society	Nov 2011-present August 2010-May 2011 August 2009-May 2011 August 2009-August2010