

Susan H. Black

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Objective	To obtain a position in the field of Applied Mathematics or Physics.	
Education	North Carolina A&T State University B.S., Professional Physics and Applied Mathematics GPA: 3.4	Greensboro, NC May 2012
Courses & Training	Calculus I, II & III, Differential Equations I & II, Linear Algebra, Introduction to Probability & Statistics, Probability Theory and Application, C++ Programming I, FORTRAN Programming, General Physics I & II, General Physics Lab I & II, Physical Mechanics I & II, Electromagnetism I & II, Quantum Physics I & II, Thermodynamic and Statistical Mechanics	
Senior Project	“How much salt does it take to make an object float” Discovered that the density of the objects determined how much salt it would take for the objects to float or whether they would float at all. Adding salt to the water makes the water more dense, as the object floats when the water is denser than the object.	
Study Abroad	Northern Ireland, The United Kingdom Junior Physics Scholar & Physics Club Ambassador	May 2010 – August 2010 Partnered with United Kingdom officials, including universities, town councils, and law enforcement, to provide research concerning transportation and logistics issues. Studied and adapted to the culture in order to complete all tasks, as well as build solid working relationships.
Professional Experience	North Carolina A&T State University Research Assistant	Greensboro, NC August 2010 – Present Participate in Statistical Analysis Research funded by the Office of Naval Research, a six-semester Study with one summer to be spent at the Naval Undersea Warfare Center (NUWC). Complete high-level statistics projects and research, and currently designing a statistical program that will produce a hypothetical trajectory of targets in R. Utilize data from trajectory programs, as well as assist with the design of a statistical program that locates and tracks targets in a noisy environment in R.
	North Carolina A&T State University Research Assistant	Greensboro, NC January 2010 – May 2010 Participated in the Wave Propagation Research funded by NASA. Researched, analyzed, and presented data for two national conferences, and provided tutoring services for students who needed assistance in mathematics (Calculus I and II). Served as a mentor for four NASA Summer High School Apprenticeship Research Program (SHARP) students.
Computer	Fortran, Polymath, Aspen, AutoCAD, Linear Programming, SAS, SPSS, Microsoft Office (Word, Excel, PowerPoint), Windows 95/98/2000/XP/7	
Activities	Mathematics Association of America (President, 2010 – Present), Lambda Chi Alpha Honor Society (Vice-President, 2009 – 2010), Society of Physics Students (2009 – Present), International Students Association (Fundraising Chair, 2009 – Present), University Honors Program (2009 Presenter at the Model United Nations Summit), Multicultural Students Association (2004-2005).	
Volunteer Activities	Greensboro Urban Ministry, Great North American Food Drive, Red Cross Blood Drive, Team Microsoft Bicycle Tour	
Awards	University Dean’s List, Alpha Lambda Delta Freshman Honor Society, Pi Mu Epsilon Mathematics Honor Society, Outstanding Achievement Award (Lambda Chi Alpha), Gilman Scholar – International Scholarship, Alpha Kappa Mu Honor Society, Alpha Chi Honor Society.	
References	Available upon request	