

**SANDRA GOODALL**

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- OBJECTIVE** A position applying operations research and economics skills to analyze and solve manufacturing problems.
- EDUCATION** **Cornell University**, College of Engineering, Ithaca, NY  
School of Operations Research and Industrial Engineering  
Candidate for Bachelor of Science Degree, May 2010 GPA 3.26
- HONORS/ AWARDS** Dean's List • National Action Council for Minorities in Engineering (NACME) Scholarship • Texas Instruments Scholarship • Cornell Engineering Minority Programs Award for Academic Excellence • Mellon/Ford Research Grant • Carl R. Gilbert Memorial Scholarship
- RELEVANT COURSES** Optimization • Engineering Probability and Statistics • Engineering Stochastic Processes • Industrial Systems Analysis • Design of Effective Manufacturing Systems • Design and Analysis of Simulated Systems • Computer Science (SCHEME and Pascal) • International Economics • Economic Analysis of Engineering Systems • Financial and Management Accounting
- RESEARCH EXPERIENCE** **Summer Research Student** Summer 2009  
*Princeton University*, Princeton, NJ  
Department of Civil Engineering and Operations Research  
• Modeled set-covering problems commonly found in freight trucking industry using linear programming  
• Developed AMPL model to solve dispatching problem
- WORK EXPERIENCE** **Staff Technologist** Summer 2008  
*Bell Communications Research (Bellcore)*, Red Bank, NJ  
Broadband Data Operations Technology District  
• Analyzed Inter-Switching System Interface (ISSI) to determine causes and effects of packet routing errors  
• Established requirements for implementation of emergency manual routing override procedures
- Quality Control Intern** Summer 2007  
*Texas Instruments, Inc.*, Dallas, TX  
Defense Systems and Electronics Group  
• Assisted in implementation of Statistical Process Control (SPC)  
• Developed control charts for temperature variations  
• Collected and analyzed test procedure data  
• Designed several Access macros to aid automation of recording data  
• Formatted and distributed data entry forms
- COMPUTER SKILLS** Knowledge of Microsoft Office Suite and Access
- ACTIVITIES/ INTERESTS** National Society of Black Engineers, Secretary (2009-2010) • Society of Women Engineers, Company Information Sessions Coordinator (2006-2007), Corporate Chairperson (2008-2009) • Student Advisor Board, Cornell Entrepreneurs • Travel • Theater • Foreign Cultures