

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 2009 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 2008
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 2007
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 2006
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 PowerPoint, Microsoft Word, Microsoft Excel, Access
- ACTIVITIES/ INTERESTS** National Society of Black Engineers, Secretary (2008-2009) • Society of Women Engineers, Company Information Sessions Coordinator (2005-2006), Corporate Chairperson (2007-2008) • Student Advisor Board, Cornell Entrepreneurs • Travel • Theater • Foreign Cultures