

Sally R. Tide

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Objective:

To obtain an engineering position in mechanical design or robotics with opportunities to move into a management position.

Education:

B.S. Mechanical Engineering, to be obtained December 2001
The University of Alabama, Tuscaloosa, Alabama, GPA 3.72/4.0
Freshman Design Project: A self-propelled cart for a pre-schooler with cerebral palsy
Senior Design Project: Human powered moon buggy

Experience:

Eastman Chemical Company-Kingsport, TN, Cooperative Education Program

- Process Engineering-Solids Handling (Summer 2001)
 - Conducted a Pneumatic Conveying System Analysis to increase capacity of system
 - Cost Savings-\$520,000
 - Created Web Site for Solids Handling Team
 - Assisted in writing a Silo Stress Analysis Program
 - Conducted business with vendors on Autosamplers and Bag Unloading Stations
 - Conducted trial at Acrison in Moonachie, NJ
 - Installed a Mechanical Conveying System and Turntable
- Process Engineering-Mechanical Design (Fall 2000)
 - Built and programmed a weather station to study chlorine as a function of weather
 - Altered existing sludge conveying system
 - Tested and created drawings for roller guide designs for Acetate Tow
 - Designed equipment data sheets for Solids Handling
 - Designed a new dust collector for safety precautions
 - Designed Iso Scan Positioning Mechanism for the Iso Scan Team
 - Altered an AY Case Compressor because of changing conditions
- Power and Services-Utilities Maintenance (Spring 2000)
 - Researched Generator Oil Pump Replacement Feasibility
 - Created training presentations for lubrication reliability practices in Powerhouses
 - Investigated Fan Bearing Failures
 - Made controls upgrade on Boiler Feed Pumps
- Plant Engineering-Inspection and Testing (Summer 1999)
 - Piping alterations
 - Created Piping and Inspection Diagrams (PID)

Computer Skills:

Pro/Engineer, Matlab, AutoCAD, FORTRAN, Excel, PowerPoint, Word, Windows 2000, e-mail, internet

Honors/Activities:

American Society of Mechanical Engineers (ASME) (1998-present)

- Secretary, April 2001 – present
- Presented “Design of a Human Powered Moon Buggy” at the Regional Conference Old Guard Competition, Palm Beach Gardens, FL, April 2001

Society of Women Engineers (SWE) (1997-present)

- Engineering Executive Council (EEC) Representative (Fall 1999)
- Social Committee (1998-99)

Tau Beta Pi, Engineering Honorary Society

Pi Tau Sigma, Mechanical Engineering Honor Society

Phi Eta Sigma, Freshman Honor Society