

Joel A. Poe

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OBJECTIVE

Seeking an engineering position in the Upstream Exploration and Production industry -- working on real projects, solving problems and improving performance.

EDUCATION

Bachelor of Science in Chemical and Biological Engineering, The University of Alabama

GPA: 3.35/4.0

Certifications: *AICHE* - Chemical Process Safety in Chemical Process Industries, *AICHE* - Inherently Safer Design

EXPERIENCE

Research and Development, Chemical Engineering Department, The University of Alabama, Tuscaloosa, AL - *August 2016 to June 2017*

- Designed, planned, and developed an FEL-1 stage for a \$100K University Lab Facility update
 - Thermodynamic analysis and solubility calculations to size the absorption column and determine water, air, and CO₂ flowrates to achieve realistic flooding parameters
 - Column packing material and sizing specs
 - Instrumentation and Electrical (I/E) planning for an Absorption System
 - Designed Process Flow Diagram (PFD) and Piping and Instrumentation Diagram (PID) for Absorption System
 - Collaborated with experienced project engineers and professors on how to approach my project in the most efficient manner.
- Studied, drafted and applied PID's and PFD's to existing and future laboratory equipment
- Generated specification sheets and maintenance manuals on newly installed valves and instrumentation

Sales Manager, Regal Fireworks Inc., Bellevue, NE - *July 2014, July 2015*

- Supervised a sales force of 6 sales associates.
- Increased revenues by 8% within the first year as Sales Manager.
- Reviewed operational records and reports to project sales and determine profitability

LEADERSHIP EXPERIENCE

Project Manager, Alabama Greek Missions, Tuscaloosa, AL - *December 2016*

- Designed floor plans and blueprints for the houses
- Budgeted the bill of materials for the three 400ft² houses
- Managed a mission trip group of 34 people through the construction of three homes in the village "28th of May" in Leon, Nicaragua

Assistant Rush Chairman, Beta Theta Pi Fraternity, Tuscaloosa, AL - *August 2013 to May 2014*

- Maintained the roster of potential new members per their academic achievements
- Managed the recruitment budget by making executive decisions on how, when, and where the money was spent
- Planned and coordinated rush events in Tuscaloosa, Birmingham, and Atlanta

SKILLS

Software Skills

- ChemCad, Aspen-HYSYS, LabVIEW, MATLAB, Microsoft Excel, Microsoft Word, Microsoft Power Point, Outlook, Windows XP and Vista Operating Systems, and proficient in Microsoft Visual Basic Applications

Personal Skills

- Fast learner, and very coachable
- Assertive, self-motivated, goal-oriented, and efficient.
- Flexible, cooperative, hard worker, team player, and reliable.

INVOLVEMENTS AND HONORS

- The Society for Collegiate Leadership and Success
 - American Institute of Chemical Engineers
 - Beta Theta Pi Fraternity
 - Salvation Army Volunteer
 - Black Warrior River Clean Up
 - National Society of Leadership and Success
 - President's Honor Roll - *required 4.0 semester GPA*
 - Dean's Honor Roll - *required 3.5 semester GPA*
 - Phi Sigma Theta National Honor Society - *Cumulative 3.0 GPA*
 - Sigma Alpha Lambda National Honor Society - *Cumulative 3.0 GPA*
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