

Elizabeth Groman

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(832) 226-1108

Objective: Seeking a full time position as an Engineer

Education: University of Houston, May 2014

Bachelor of Science in Chemical Engineering

Work History:

Field Advisor, Honeywell UOP Field Operating Services

September 2016-June 2017

- Assist in the checkout of new licensed UOP units
- Document and communicate to the customer any safety issues found in discrepancies between as-built documents and installed equipment.
- Supervise catalyst loading to ensure plant performance
- Inspect vessels, piping, and internals to ensure they are installed as designed per Process and Instrumentation Diagrams and Standard Specifications.
- Plant commissioning and startup activities.

Chemical Engineer, Honeywell UOP

August 2014-September 2016

Gas Processing, UOP Russell

Tulsa, Oklahoma

- Inspected installation and construction of new gas processing plant
- Managed purchase orders and ensured vendor spec sheets were filed
- Verified and corrected Process and Instrumentation Diagrams of completed skids
- Created Equipment Index and off skid Instrument Index
- Updated Instrument data sheets to account for Imperial and SI units

Technical Services, Alkylation and Treating

Des Plaines, IL

- Supervised vessel loading during turnaround
- Performed leak test for extraction columns and vessel inspections during turnarounds
- Analyzed process data in order to troubleshoot unit performance
- Taught on site customer training for sulfur treating units.

Research and Development, Alkylation

Des Plaines, IL

- Construction and startup of pilot plants for new alkylation technology
- Troubleshooted equipment failure
- Developed stream sampling procedures for alkylation pilot plant
- Conducted lab analysis to determine plant performance and optimized process variables to meet product specifications

Research Intern, Honeywell UOP, Des Plaines, IL

May 2013-August 2013

- Determined running conditions for lab scale xylene separation at 1/6 of the lab scale
- Maintained reliable statistical results for using small scale xylene separation as a testing basis for new adsorbents
- Determined quick test for adsorbent efficiency of Paraxylene uptake through short kinetic isotherms

Operations Intern, Styrolution America LLC, Texas City, TX

May 2012-August 2012

- Performed environmental calculations to determine flare emissions
- Initiated redesign of injection system for polymerization inhibitor in order to improve operator safety
- Obtained and processed 5 years of hydrocarbon data for boiler feed water.