

BOB STUDENT

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SUMMARY

Senior Chemical Engineer, with dual degree in BS in Engineering Management, 4 internships, extensive campus leadership experience, and skills in process engineering, process design, and lean principles.

EDUCATION

Michigan Technological University

Houghton, MI

BS Chemical Engineering + BS Engineering Management

Expected May 2017

GPA: 2.7

INTERNSHIP EXPERIENCE

Engineering Intern | Gerdau | Monroe, MI | August 2016

- Tested scrap samples to ensure usability compliance on Scrapulator
- Performed daily melt shop data queries to formulate excel reporting for further analysis by metallurgist

Field Engineer | Schulmberger | Houston, TX | June – Aug 2016 (worked ave. 80 hrs/week)

Project: Develop plan to prevent company-wide attrition and maintain talent

- Determine reason for attrition and researched motivational theories in the workplace
- Surveyed MWD's and DD's employees on 15 rigs in Midland, TX and Oklahoma City to identify job motivation and company loyalty factors and presented project results to North American Land leadership team

Field Duties: Cap well casings, assembled drilling tools, performed well drilling

Engineering Intern | Mosaic | Fort Meade, FL | May - Aug 2015

Project: Improved phosphate washer efficiency by increasing throughput into the matrix tank by 15%

- Calculated the throughput of mining process (mining, washing, floatation, and separation)
- Identified and evaluated overall washer process to assess the bottle neck
- Increased trommel screen size to decrease overflow material and increase throughput into the washing process

Process Control Engineer Intern | Calumet Electronics Co. | Calumet, MI | May - Aug 2014

Project: Startup of a new Hot Air Solder Leveling Line for circuit board finishing

- Analyzed numerous chemicals for finishing process of circuit boards (pre-clean, post-clean, flux, and leveling)
- Compared quality and cost of each chemical to determine the most effective chemicals

LEADERSHIP

Event Chair | Career Ambassadors | 2016 – Present

President | SWE - Society of Women Engineers | 2015-2016

- Led and managed 12 SWE Committees and 6 Executive Board Officers
- Set short-term and long-term section goals, including national & regional participation, fund-raising, and membership
- Created agenda for and presided over weekly Executive Board meetings

President Elect | SWE - Society of Women Engineers | 2014-2015

- Increased organization membership by 40% (90 – 151)

Co-Chair | Evening With Industry | SWE - Society of Women Engineers | 2013 - 2014

- Planned and implemented logistics for annual networking/dinner event for 100+ corporate representatives and 200+ students, raising \$10,000 for section

Conference Travel Co-Chair | Region H Conference | SWE - Society of Women Engineers | 2013 - 2014

- Procured and managed bus transportation to Houghton for 250 attendees from 5 regional locations

Conference Bid Planning Co-Chair | Region H Conference | SWE - Society of Women Engineers | 2012 - 2013

- Successfully designed and implemented bid for region conference (600 attendees) – a first for Michigan Tech

Vice President | Mechanical Engineering Student Advisory Committee | 2015 - 2016

Public Relations, Secretary, Social Planning Chair | AIChE - American Institute of Chemical Engineers | 2012 – 2016

CO-CURRICULAR WORK EXPERIENCE

Intern | Career Services | Aug 2015- Current | 20 hours per week while maintaining full academic schedule

Coach | Career Services Learning Center | Michigan Tech | Aug 2014 - May 2015