

OBJECTIVE

To obtain a full-time position in the field of chemical engineering

EDUCATION

Michigan Technological University
BS Chemical Engineering (Bioprocess Engineering)
GPA: 3.83

Houghton, MI
Expected May 2016

CO-OP/INTERNSHIP EXPERIENCE

Manufacturing Engineering Intern | Amway Corp. | Ada, MI | May – Aug 2015

Project: Merge four manufacturing facilities to two facilities on the corporation's complex

- Performed permitting, machine upgrades, designed packaging improvement systems and system for liquidating decommissioned equipment in the plan and implementation of the merge

Results: Increased efficiency and lowered overhead costs to result in \$20MM annual savings

Process Engineering Co-op | Kimberly-Clark Corp. | Ogden, UT | Aug – Dec 2014

Project: Reduce pulp raw material waste variation

- Recommended systematic solutions to reduce waste variation from contributing sources

Results: Reduced waste standard deviation by 25% and led to \$125,000 annual opportunity savings

Project: Automate real-time raw material waste report to provide visibility to critical machines & materials

- Provided a user-friendly and customizable interface for streamlined data collection and analysis for all raw materials in K-C diaper mills

Results: Implemented in sector-wide monthly recognition metrics

Nutritional Products Manufacturing Intern | Amway Corp. | Ada, MI | May – Aug 2014

Project: Identify a raw material to be used as a bulk material in the blending process

- Identified current materials to replace hand-adding process with bulk storage and delivery process

Results: Led to \$350,000 annual opportunity savings

Project: Evaluate supply chain for new production line

- Developed simulation to assess value stream for production line installation using MS Excel

Cosmetics Manufacturing Intern | Amway Corp. | Ada, MI | May – Aug 2013

Project: Reduce number of out of specifications in the process area

- Recommended & implemented modifications to product specifications using Change Control Procedures

Results: Led to \$70,000 annual savings and plant being #1 in Quality Assurance within corporation

Process Engineering Co-op | Grain Processing Corp. | Washington, IN | May – Aug 2012

COMPUTER SKILLS

- MiniTab
- UniSim
- PI ProcessBook
- UGNX
- LabVIEW
- Visual Basic
- COMSOL
- DeltaV/ Provox
- MATLAB
- MathCAD

LEADERSHIP

- Founder & President, Career Ambassadors at Michigan Tech, Mar 2015 – present
- Career Services Learning Center Coach, Jan 2015 – May 2015
- President & Treasurer, Concordia Student Ministries, Aug 2012 – May 2014
- President & Vice President, Inter Christian Council, Aug 2013 – May 2014
- Chemistry Learning Center Coach, Aug 2012 – Dec 2013
- Product Development Team Leader, Consumer Product Manufacturing Enterprise, Aug 2012 – May 2013
- Director of Socials Ministry Team, Campus Crusade for Christ, Jan 2012 – Feb 2013

VOLUNTEER WORK

- Active Volunteer, Amway One by One Campaign for Children, KaBoom! Playground Build & Urban Family Ministries' Inner City Children's Carnival, 2013, 2014, 2015
- Mission Trip Volunteer, Oxford, MS, Spring Break 2013 | Panama City Beach, FL, Spring Break 2012
- Mentor, At-Risk Junior High and High School Students, Powerhouse, Washington, IN, 2012