

**ENTRY-LEVEL CHEMICAL ENGINEER**

Recent College Graduate (**Bachelor's Degree**) with training and experience in chemical engineering, technical support, and process improvements. Demonstrated track record of achieving goals in team environment. Computer skills: Windows, MS Office, Word, Excel, PowerPoint, ChemDraw, RS3Excel, Hysys, Proll, Visio 2008, and IE. Technical Equipment: Instron tensile tester, torque rheometer, viscometer, and particle size analysis.

**AREAS OF TRAINING & EXPERIENCE**

- ✓ Polymer Processing
- ✓ Chemical Engineering Design
- ✓ Chemical Analysis
- ✓ Continuous Improvement
- ✓ Technical Support & Problem-Solving
- ✓ Process Controls
- ✓ Engineering Materials
- ✓ Biological Research & Electrodialysis
- ✓ Tensile Testing

**EDUCATION**

**Bachelor of Science (BS)**, Chemical Engineering (GPA 3.55) – Marquette University, Milwaukee, WI - 2008  
Coursework in Major: Process Control, Chemical Plant Design, Polymer Processing, and Engineering Materials.

**Engineering Class Projects**

- ⇒ **Electrodialysis Membrane:** Boosted efficiency of precious metals refinery operation (Diamonde Corp.) by 12% through introduction of ionic separation of components in refinery process. Team project.
- ⇒ **Biomedical Research:** Conducted pre-clinical experiments in chemical engineering of human body. Focused on kidney dialysis and intravenous (IV) drug dosage.
- ⇒ **Thermal Cross-linking of Kevlar Fiber:** Performed tensile strength testing on heated Kevlar fiber in two-person team. Played lead role in statistical analysis and PowerPoint presentation of project to class.

**PROFESSIONAL EXPERIENCE**

**JOHNSON & JOHNSON, Chemistry Division**, West Windsor, NJ  
**Technical Assistant for Clinical Director**

5/2008 - 9/2008

- **Technical Documentation.** Assured accuracy of technical content and edited confidential documentation for 60 clinical trial projects in preparation for development of drug-simulation software by outside consulting company. Took initiative with manager's approval to eliminate and/or disguise proprietary information.
- **Process Improvements.** Contributed to quality assurance of pharmaceutical research database. Increased efficiency of data queries 5% by editing for uniformity. Extracted research data using RS3Excel software.

**GREENWALD POLYMERS, Technical Support**, Milwaukee, WI  
**Chemical Engineering Internship**

5/2007 - 9/2007

- **Research.** Tested and recorded properties of Polyvinyl Chloride (PVC) resin for particle size, heat stability, and viscosity. Supported chemical engineering consulting team of 6 for specialty chemicals manufacturer.
- **Technical Support.** Provided technical support to 3 staff chemists in highly participatory approach to testing and development of new PVC resin types.

**ACTIVITIES**

**American Institute of Chemical Engineers (AICE)**, College Chapter – 2004-2008

- ⇒ **Charter Member & Newsletter Editor** for 4 years
- ⇒ **Volunteer Coordinator** for Habitat for Humanity, Appleton (WI) Park Clean-up in 2007 and 2008