

Vincent Roco

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OBJECTIVE: To seek a full-time position in the field of Chemical Engineering that will challenge me, strengthen my professional skills and provide me with opportunities for advancement

EDUCATION: **Louisiana State University**
Bachelor of Science in Chemical Engineering May 2011
Minor: Chemistry
Fundamentals Engineering Certification June 2011

Related Coursework and Projects:

- Gained experience in designing and running experiments in the laboratory, pilot plant and production facilities
- Researched Nanomaterials including the optimization of Dye-Sensitized Solar Cell Technology and performance of Thin Film Solar Cells
- Tested consistency rates on Polymerization of Polydimethylsiloxane (PDMS) in a stirred, batch reactor
- Studied temperature control strategies for Bioreactor Water Supply Heat Exchanger
- Experimented with the effects of feed rate, reboiler duty and bottoms rate on Packed Distillation Unit

WORK EXPERIENCE

Lion Copolymer, LLC – Baton Rouge SBR Plant Sep 2011 – Feb 2014
Baton Rouge, LA – *Process Engineer for Polymerization Area*

- Handled projects in the area that optimize processes to lower maintenance downtime, minimal operations, and increase overall efficiency of that process.
- Responsible for updating PSI systems (P&IDs, SOP, etc) of the area through the PSM system (MOCs).
- Provide technical support and troubleshoot in process operations. Also, provide technical incite for incident investigations and participate in PHA review for process areas.

American Airlines – Maintenance Base Jul – Aug 2010
Tulsa, OK – *Environmental Engineering Intern/ Contractor*

- Led wastewater treatability study in the Wheel and Brake Center which sought to reduce metal concentrations, specifically cadmium, through small sample size testing and sodium sulfide treatments
- Performed correlation analysis to identify the appropriate levels of sodium sulfide

Greater Dallas Asian American Chamber of Commerce Jun – Jul 2010
Dallas, TX – *Volunteer Office Coordinator*

- Assisted the largest Asian American Chamber in the US with events planning and implementation, including the Annual Awards Gala with keynote speaker Texas Governor Rick Perry and educational efforts targeted to new business owners in the community
- Served as a technical resource to the Chamber staff for their effort to transition to and implement the new www.gdaacc.com website

COMPUTER SKILLS

- Proficient in Microsoft Word, Excel, Excel VBA, Power Point, C++, HTML, Java, MathCAD, PI ProcessBook, SAP