

Joseph M. Nick Jr.

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EDUCATION

University of Colorado – Leeds School of Business. Boulder, Colorado.

Full time MBA program. Expected graduation: May 2014 with emphasis in sustainability. GPA: 3.78

- Renewable and Sustainable Energy Institute (RASEI) graduate energy certificate participant. Expected: May 2014
- CU Cleantech, Market Assessment Program – Research Intern on NREL LED project. Dec. 2012 – May 2013
 - Researching commercialization pathways for NREL's new LED production method to determine the technical feasibility, economics, competition, business model and go-to-market strategy of the technology.

University of Oklahoma. Norman, Oklahoma.

B.S. Chemical Engineering, Dec. 2009. GPA: 3.50

- School of Chemical, Biological and Materials Engineering - Research Assistant. Aug. 2009 – Dec. 2009
 - Worked as an undergraduate research assistant to the department director, Dr. Lance Lobban, with a team of research professors and graduate researchers on the department's biofuels research team.

EXPERIENCE

CP Kelco. Okmulgee, OK

Full Time Process Engineer. Dec. 2009 – August 2012.

- At CP Kelco, I analyzed and help manage one of the largest biogum fermentation processes in the world. My work identified trends in the process through quantitative data analysis and allowed the department to implement actionable solutions, improving the plant's fermentation efficiency and increasing overall plant profits. While at Kelco, I championed projects that saved the plant hundreds of thousands of dollars each year and successfully identified fermentation trends that were then used at our plants throughout the world. My work at Kelco gave me valuable experience in quantitative data analysis, project management, operations, optimization and government regulation compliance.

Full Time Process Engineering Intern. May 2009 – Aug. 2009

- As an engineering intern at CP Kelco I created an energy balance and real time model of the plant's energy use and environmental emissions. My work allowed utilities engineers to optimize heat exchanger cleaning schedules, reduce the plant's energy costs and minimize natural gas boiler emissions.

Sunoco Oil. Tulsa, OK

Full Time Process Engineering Intern, May 2008 – Aug. 2008

- As an intern at Sunoco I created a cooling tower performance index to evaluate the efficiency of all cooling towers used within the refinery. I also successfully completed a boiler report analysis comparing the Tulsa refinery's boiler house operation, efficiency, and turn around records with other Sunoco refineries in the U.S.

TECHNICAL SKILLS / KNOWLEDGE

- Excellent statistical data analysis skills utilizing MS Excel, MS Query, and MINITAB
- Process Efficiency Improvement
- Project Management / Capital Expenditures
- OSHA Process Safety Management (PSM) Standard, Process Hazard Analysis (PHA) Methodology
- PI Processbook, SAP, PRO II, PHA PRO
- Exceptional communication and organization skills utilizing MS Word, PowerPoint, Project, Outlook and Visio

LEADERSHIP / ACTIVITIES

Current – Leeds Student Advisory Council Representative, CU Energy Club – Corporate Outreach Committee Member, Net Impact Club - V.P. of Internal Relations, Leeds Social Impact Consultants Member

Past – Gamma Beta Phi Honor Organization – OU Chapter, American Institute of Chemical Engineers – OU Chapter

INTERESTS

Cleantech Financing, Service and Flow Economic Models, U.S. Energy Policy, Closed Loop Manufacturing, Energy Efficiency, Political Science, Real Estate, Game Theory, Photography, Golf, U.S. History