

JOHN "Jack" CONLON

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PROFESSIONAL PROFILE

A Chemical with manufacturing engineering experience looking to utilize my strong analytical, problem-solving, and conceptual skills in an Engineering position.

Key Technical Competencies

- ♦ Ability to work on multiple projects
- ♦ Efficiently communicate with various other engineering disciplines
- ♦ Proficient in LabVIEW, Excel VBA, and Aspen Plus
- ♦ Strong written and oral communication skills
- ♦ Microsoft Office Suite (Word, Excel, Power Point)

RELEVANT EXPERIENCE

Acme Brick

Production Supervisor | Sep 2017 – Present

- Reduced overall gas consumption by 3% from adjustment of fans and burner pressures
- Updated pricing and removed unnecessary items on yearly budgets to reduce cost by up to \$40,000 in departments
- Created standard operating procedure sheets for manufacturing equipment.
- Designed and implemented air ventilation system to improve drying process of brick.
- Used process improvement to increase efficiencies in pipelines and slurry systems along with other manufacturing equipment.
- Ensured product was consistent by creating a quality control position along with QC tasks
- Performed Root-Cause Analysis to determine failures in machines and brick
- Helped plant in receiving A-1 award in 2018 and 2019 for increased sales and lowering product loss to less than 1.7%
- Cut lost time accidents by a third by proper training of safety measures and proper placement of signage

Lithium-ion Battery Design for Electric Vehicles

Team Lead | University Of Oklahoma | Jan – May 2016

- Investigated the processes in fabricating comparable batteries to a competitor, such as Tesla's Model X SUV battery.
- Performed a cost analysis on plant locations, materials, comparative costs to gasoline driven cars
- Explored different models of anodes, cathodes, and electrolytes in order to create an efficient battery at a reasonable price
- Calculated heat transfer between different materials to create a viable battery casing
- Increased theoretical battery life by up to 30% through multiple simulations
- Executed plans to obtain patents on specific chemical compositions of electrolytes

EDUCATION

Bachelor of Science in Chemical Engineering (Biotechnology focus) | May 2017
University of Oklahoma | Norman, OK

ADDITIONAL EXPERIENCE

Assistant Team Lead

Target | Norman, OK | May 2015 – Jun 2016

- Created training programs for new hires to cross train them in different departments of the store

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