

LAYAH A. KHALIF

Louisiana State University '19

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EDUCATION

Louisiana State University, Dec 2019
Roger Hadfield Ogden Honors College

B.S. Biological Engineering

Minor: Leadership Development

Distinction(s): Distinguished
Communicator, Engaged Citizen

QUALIFICATIONS SUMMARY

- Two (2) years of Supply Chain Industrial experience
- Four (4) paid internship experiences.
- LSU Engineering Graduate with over 7 years of continuous leadership, community service and academic excellence.
- Technical proficiency in Avizo, Maya, Autodesk Inventor, AutoCAD, SolidWorks, SuperPro Designer, PowerBI and Microsoft Office.
- Excellent written and oral communication skills, leadership skills and social skills.
- Proven record of participation in student educational activities, team sports, and other community based and service organizations.

PROFESSIONAL WORK EXPERIENCE

ECOLAB – Global leader in water, hygiene and energy technologies serving over 40 industries.

Supply Chain Engineering Leadership Development Program – March 2020 – present (March 2021)

TPM Engineer – Chicago, Illinois – Nalco Water – March 2020 – present (March 2021)

- Utilized Total Productive Maintenance (TPM) Methodologies to drive Safety, Service and Savings goals in accordance with Ecolab goals, objectives and strategies.
- Educated, trained, and coached associates on TPM principles and tools in order to increase efficiency, eliminate redundancies and drive results; Initiated and tracked the progress of the relevant corrective and preventative actions and monitored long term effectiveness.
- Conducted and/or facilitated audits throughout the plant to evaluate cleanliness, effective TPM and 5S principal implementation, completion of 5S Checklists, and execution of departmental improvements. Engaged Operators, Engineers and Managers in the plant and company sustainability goals through daily monitoring, education and discussion.
- Generated multiple visual aids and tools both physical and physical, including a PowerBI Dashboard, to increase plant visibility and analytical capability of metrics and KPIs such as Material Usage Variance (MUV), water usage and sustainability, and TPM Initiatives such as 5S and Performance Control System (PCS)
- Developed and deployed ten (10) issues of the Clearing Connection Newsletter, a bi-monthly newsletter that features safety moments, introduces TPM Topics, and highlights key TPM events, projects and employees at the Clearing Plant.
- Contributed to the deployment and progression of the Progressive Quality (PQ) Pillar at Clearing through action tracking, metric tracking and regular assessment execution. Participated and engaged in regular meetings with the North America TPM Regional Team (PQ) Pillar and Regional PQ Community to gain knowledge and support for effective pillar deployment. Served as the interim Training and People Development (T&PD) Pillar leader at Clearing from September 2021 to January 2022.

ACCOMPLISHMENTS

- Lead the Water Reduction and Sustainability program for 14 months; Helped reduce yearly water intensity (proportion of water use to production in kgs) by 7.5%, more than any other yearly reduction; Helped the plant achieve the lowest water intensity on record) in October 2020. (5.01 m3/MT)
- Facilitated and coordinated approximately 12 Kaizens (12-week improvement teams) over a span of two years to minimize and/or eliminate the top losses in our site performance
- Assessed and drove TPM Systems (High Performance Organization Leadership, KPI Progress, Loss Elimination & Benefits, Performance Control System (DOM, RCA, etc.)) and the launch of four Pillars and 5S to the TPM Bronze level; performed quarterly gap analyses and developed gap closure plans to eliminate present disparities against TPM Bronze Certification targets
- Assisted the Talent Acquisition Team with the recruitment of undergraduate students for internships by conducting interviews, serving as an intern buddy for plant interns and by participating in virtual career fairs for SHPE, NSBE and SWE regional and nation conferences.

INTERNSHIP WORK EXPERIENCE

Supply Chain Engineering Intern – Supplier Quality, Healthcare - June 2019 – August 2019

St. Paul, Minnesota

- Communicated cross-functionally with Quality, Quality Assurance, Procurement and Manufacturing teams as well as with stakeholders located abroad in the Dominican Republic to facilitate the completion of three major and two minor objectives/initiatives.
- Participated in an Intern Summit and the Make it. MSP. intern conference with Ecolab and other company interns across the North and Midwest; engaged with and presented project objectives and initiatives to company leaders, VPs and Ecolab CEO.

ETHICON, INC - Cornelia, GA –A Johnson & Johnson Company – Mfr of wound closure devices such as sutures, needles and surgical tape.

Intern Professional - June 2017 – August 2017

- Worked alongside Quality Assurance Lab Technicians to prepare raw material samples for incoming physical testing.
- Supported multi-functional teams to analyze and investigate nonconforming issues and processes.

ST. JUDE MEDICAL - Plano, TX – Neuromodulation Division – Mfr of neurostimulators for the treatment of chronic pain.

Mechanical Engineering Intern - June 2016 – August 2016

- Utilized SolidWorks to assist engineers in the design and development of prototype parts for implantable devices.
- Tested, inspected and measured parts to ensure conformance to specifications and requirements.
- Collaborated cross functionally and across multiple levels in the organization and demonstrated my ability to work within a team.

NOTABLE ACHIEVEMENTS

Website: <https://layahkhalif.wixsite.com/mysite>

Academic

- Dean's List Recipient – Fall 2017
- Black Scholar at LSU – Recognized by the Black Faculty and Staff Caucus for students earning a 3.0 GPA and higher – 2018-19; 2017-18; 2015-16
- Louis Stokes Louisiana Alliance for Minority Participation (LS-LAMP) Scholar – 2017-present; Research Area: Breast Cancer Research, 2018 & 2019 LSU Discover Day Poster Presenter (Topic: Identification of Breast Cancer Subtype Specific Response to Extracellular Matrix)
- LSU S&B Engineers Brookshire Scholarship Recipient – Fall 2019, Spring 2019, Fall 2018, Spring 2018
- Phi Eta Sigma & Alpha Lambda Delta National Honor Society Member

Leadership

- Roger Hadfield Ogden Honors College (LSU) – Office of Development – Student Administrative Assistant - August 2016 – December 2019
- ADVOCATE – Ogden Honors College – 2017-2019 – Worked directly with faculty and staff to recruit academically motivated high school students, assist incoming Honors College freshmen with their transition to college, and to promote the Honors College to campus affiliates as a whole.
- Society of Women Engineers (SWE) – 2019 National Conference Attendee – Anaheim, CA, Vice President & WISE Event Coordinator – 2018-19; Social Chair – 2017-18; Membership Chair – 2016-17; WISE (Women Impacting Style in Engineering (WISE) Committee Member – 2015-18; 2016 Region C Regional Conference Attendee – College Station, TX (Texas A&M University); 2017 National Conference Attendee – Austin, TX
- National Society of Black Engineers (NSBE) – 2018 Region V Fall Regional Conference Attendee – Dallas, TX
- Named 1 of 2 Outstanding Freshman – Ogden Honors College – 2015-2016
- Named LASAL Scholar - Louisiana Service and Leadership – Honors College Program - 2015-16

Community Service

- GIVE VOLUNTEER (Growth International Volunteer Excursions) – GIVE@LSU Chapter member (2018-present); traveled and spent 15 days in Tanzania and Zanzibar, Africa teaching men, women and children English and aiding in the construction of the first primary school in the village of Kairo; volunteered with a women's co-op in Arusha, Tanzania (May 2018)