

ALEC HOFFMAN

PROCESS ENGINEER

INFO

ADDRESS

1515 Pacific Ave, Los Angeles, CA
90291, United States

PHONE

(541) 754-3010

EMAIL

email@email.com

PLACE OF BIRTH

San Antonio

DRIVING LICENSE

Full

NATIONALITY

American

LINKS

[Zoominfo](#)

[Linkedin](#)

SKILLS

Programmable Logic
Controllers



Process Automation



Process Capability



Commercialization
Activities



Process Innovation



Production Start-up



Bench Scale



Gap Analysis



Statistical Process Control
(SPC)



PROFILE

Deadline focused Process Engineer with extensive tenure in engineering principles, project leadership, and taking responsibility for safety procedures. Strategic thinker emphasizing on improving efficiencies by assessing and enhancing processes. Holds a Professional Engineering Certification and spearhead all new product and process improvement projects for the medical device product channel in the group.

EMPLOYMENT HISTORY

Process Engineer, Algorax

Newport

Jan 2020 — Present

Spearheaded a project to reduce site water consumption by improving water recycling system which decreases water expenditure by 30%

- Develop, configure and optimize plant manufacturing processes from inception through to, pilot, start-up launch and commercialization
- Assess and evaluate processings, taking measurements of specific variable metrics to interpret data and make assumptions about process efficiency and effectivity
- Design, run test and upgrade or enhance systems and processes
- Design and develop specific procedures and methodologies to improve manufacturing processes and realign purchasing methodologies with the need of the organization
- Develop best practices, routines, and innovative solutions to boost production rates and output quality

Process Engineer, AOH Refineries

Austin

Jan 2017 — Dec 2019

Led a cross-functional team to streamline the material movement process and to decrease shut downtimes by ten days per quarter which saved the business \$2M rand in savings for the year

- Conduct process simulations
- Manage expenses and time constraints by using Six Sigma Lean Manufacturing Principles
- Perform risk assessments to find solutions in mitigating external and internal risks to the business
- Design process documentation, operating instructions and product manufacturing specification manuals

Process Engineer, BATS

Alberville

Jan 2014 — Dec 2016

Instrumental in commissioning a 200 million dollar greenfield plant within six months

- Create process models and apply them to a test scenario to check for efficiency and effectiveness and use result indicators to define key figures of effectiveness

RIE/Kaizen
● ● ● ● ●

Cause-and-Effect
Diagrams
● ● ● ● ●

Project management
● ● ● ● ●

Design of Experiments
(DOE)
● ● ● ● ●

Value Stream Mapping
● ● ● ● ●

Visual Factory
● ● ● ● ●

Pull Systems
● ● ● ● ●

Process Validation
● ● ● ● ●

Sampling Methods
● ● ● ● ●

Exchanger Design
● ● ● ● ●

Engineer's Aide Sinet
● ● ● ● ●

Mistake Proofing
● ● ● ● ○

Batch Scale
● ● ● ● ○

Production Scale-up
● ● ● ● ○

Project Phases
● ● ● ● ○

Screening
● ● ● ● ○

APQP
● ● ● ● ○

APQP,
● ● ● ● ○

Instrumentation
● ● ● ● ○

Geometric Dimensioning
● ● ● ● ○

PPAP
● ● ● ● ○

Quality Systems
● ● ● ○ ○

Feasibility Studies
● ● ● ○ ○

Process Solutions
● ● ● ○ ○

Continuous Scale
● ● ● ○ ○

- Prepare target vs. actual comparisons
- Analyze workflows within departments to identify opportunities for integration and improved collaboration
- Review the KPI monitoring system, once in a quarter to check performance outcomes of team members in the division
- Translate analytical findings into strategic solutions for business

EDUCATION

Professional Engineering (PE) Exam, National Council of Examiners for Engineering and Surveying (NCEES) Jacksonville

Jan 2019 — Jun 2020

Process Engineering for Control Practitioners Certificate, Dalhousie University Storrs

Jun 2020 — Jun 2020

Course Curriculum: Thermodynamics, Transport Phenomenon, Kinetics, Mathematical Models, Data Science, Machine Learning

Master's in Bio-Chemical Engineering, New York University Manhattan

Jun 2016 — Jun 2018

Bachelor's Degree in Chemical Engineering, University of Texas Dallas

Jan 2011 — Oct 2015

COURSES

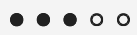
Quality Process Analyst Certification, American Society for Quality, Milwaukee

Sep 2019 — Jan 2020

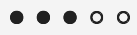
Certified Associate in Project Management (CAPM), Project Management Institute (PMI), Newtown Square, PA

Jan 2018 — Aug 2018

Pilot Plant



Phase Dispersion Modeling



Poka Yoke

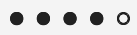


LANGUAGES

English



French



German



HOBBIES

Art, Fusion Cooking,
Literature