

# 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

## 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

Process Innovation	
Production Start-up	
Bench Scale	
Gap Analysis	
Statistical Process Control (SPC)	
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,	

- 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

Albertville

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
- 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

Instrumentation



Geometric Dimensioning



PPAP



Quality Systems



Feasibility Studies



Process Solutions



Continuous Scale



Pilot Plant



Phase Dispersion Modeling



Poka Yoke



## LANGUAGES



English



French



German



## HOBBIES



Art, Fusion Cooking, Literature

### 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