

# ALEC HOFFMAN

## Process Engineer

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

(541) 754-3010

email@email.com

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Place of birth ..... *San Antonio*      Driving license ..... *Full*  
Nationality ..... *American*

### LINKS

*[Zoominfo](#), [Linkedin](#)*

### 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.*

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### EMPLOYMENT HISTORY

❖ **Process Engineer, Algorax** ..... Jan 2020 — Present  
Newport

*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** ..... Jan 2017 — Dec 2019  
Austin

*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** ..... Jan 2014 — Dec 2016  
Albertville

*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

- ❖ **National Council of Examiners for Engineering and Surveying (NCEES)** ..... Jan 2019 — Jun 2020  
*Professional Engineering (PE) Exam* ..... Jacksonville
  
- ❖ **Dalhousie University** ..... Jun 2020 — Jun 2020  
*Process Engineering for Control Practitioners Certificate* ..... Storrs  
  
Course Curriculum: Thermodynamics, Transport Phenomenon, Kinetics, Mathematical Models, Data Science, Machine Learning
  
- ❖ **New York University** ..... Jun 2016 — Jun 2018  
*Master's in Bio-Chemical Engineering* ..... Manhattan
  
- ❖ **University of Texas** ..... Jan 2011 — Oct 2015  
*Bachelor's Degree in Chemical Engineering* ..... Dallas

## SKILLS

Programmable Logic Controllers	<i>Expert</i>	Engineer's Aide Sinet	<i>Expert</i>
Process Automation	<i>Expert</i>	Mistake Proofing	<i>Experienced</i>
Process Capability	<i>Expert</i>	Batch Scale	<i>Experienced</i>
Commercialization Activities	<i>Expert</i>	Production Scale-up	<i>Experienced</i>
Process Innovation	<i>Expert</i>	Project Phases	<i>Experienced</i>
Production Start-up	<i>Expert</i>	Screening	<i>Experienced</i>
Bench Scale	<i>Expert</i>	APQP	<i>Experienced</i>
Gap Analysis	<i>Expert</i>	APQP,	<i>Experienced</i>
Statistical Process Control (SPC)	<i>Expert</i>	Instrumentation	<i>Experienced</i>
RIE/Kaizen	<i>Expert</i>	Geometric Dimensioning	<i>Experienced</i>
Cause-and-Effect Diagrams	<i>Expert</i>	PPAP	<i>Experienced</i>
Project management	<i>Expert</i>	Quality Systems	<i>Skillful</i>
Design of Experiments (DOE)	<i>Expert</i>	Feasibility Studies	<i>Skillful</i>
Value Stream Mapping	<i>Expert</i>	Process Solutions	<i>Skillful</i>
Visual Factory	<i>Expert</i>	Continuous Scale	<i>Skillful</i>
Pull Systems	<i>Expert</i>	Pilot Plant	<i>Skillful</i>
Process Validation	<i>Expert</i>	Phase Dispersion Modeling	<i>Skillful</i>
Sampling Methods	<i>Expert</i>	Poka Yoke	<i>Skillful</i>
Exchanger Design	<i>Expert</i>		

## COURSES

- ❖ **Quality Process Analyst Certification** ..... Sep 2019 — Jan 2020  
*American Society for Quality, Milwaukee*
  
- ❖ **Certified Associate in Project Management (CAPM)** ..... Jan 2018 — Aug 2018  
*Project Management Institute (PMI), Newtown Square, PA*

## LANGUAGES

English ..... *Native speaker*      German ..... *Very good command*  
French ..... *Highly proficient*

## HOBBIES

*Art, Fusion Cooking, Literature*