



MICHAEL ANDERSON

REFINERY PROCESS ENGINEER

PROFILE

I am a dynamic Refinery Process Engineer with a comprehensive background in process design and optimization gained over 5 years in the petrochemical sector. My experience encompasses various roles where I have applied my engineering expertise to enhance refinery processes, focusing on maximizing production efficiency and minimizing environmental impact.

EXPERIENCE

REFINERY PROCESS ENGINEER

PetroTech Refinery

2016 - Present

- Executed process simulations that resulted in a 12% reduction in energy consumption.
- Developed strategies for optimizing catalyst usage, enhancing reaction efficiencies.
- Conducted root-cause analysis for process failures, implementing corrective actions.
- Collaborated with operations teams to design and implement new processing equipment.
- Trained operators on new technologies and safety protocols.
- Analyzed production data to inform decision-making and improve refinery processes.

PROCESS ENGINEERING INTERN

ChemTech Solutions

2014 - 2016

- Assisted in the development of process flow diagrams for new projects.
- Performed data collection and analysis to identify improvement opportunities.
- Supported senior engineers in conducting process simulations.
- Participated in safety assessments and compliance checks.
- Engaged in team meetings to discuss project progress and challenges.
- Provided documentation support for engineering reports.

CONTACT

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SKILLS

- Process design
- Energy optimization
- Data analysis
- Team collaboration
- Safety compliance
- Catalyst optimization

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING, UNIVERSITY OF CALIFORNIA, 2016

ACHIEVEMENTS

- Recognized for leading a project that improved overall refinery efficiency by 15%.
- Received 'Best Intern' award for outstanding contributions during internship.
- Successfully reduced waste generation by implementing a recycling initiative.