

# Ahmed Alherz

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## EXPERIENCE

➤ Chemical Engineering at Sachlo

Since March 2021

Producing Chlorine products from salt

➤ Chemical Engineering at Arabian Bulk Trade (ABT)

February 2020 – March 2021

➤ Salesman at Extra

December 2019 - February 2020

## LAB EXPERIENCE

➤ **Mass Transfer Processes- 2019** - January - March

Theoretical/empirical analysis of unit operations, including oral/written communication and personal accountability, safety, and teamwork.

➤ **Process Engineering- 2018** - March - June

Practice of formal work processes in unit operations and preparation of technical reports.

➤ **Transport Phenomena Laboratory - 2018** - March - June

Application of macroscopic balances of mass, energy, and chemical species. Demonstrating principles in transport phenomena.

➤ **Organic Chemistry- 2017** - June - July

Melting point determination, Recrystallization, Extraction, Dehydration of alcohols, Isolation and characterization tactics.

## PROJECTS

➤ **Lithium Recovery Process Design - 2019** - March - June

Design a process recovering lithium from brine. With a focus on budget, safety, environmental health, lithium purity, and efficiency.

➤ **Acrylic Acid Production from Propylene - 2019** - January - March

Gauge abbreviated useful methods of specifying equipment for preliminary designs of a process. Estimate costs of equipment specifications.

## EDUCATION

### **B.S. Chemical Engineering Oregon State University**

September 2015 - June 2019

## SKILLS

- Responsibility
- Critical Thinking
- Problem Solving
- Team Communication
- Engineering Report Writing

## SOFTWARE

- *Aspen HYSYS (proficient)*

Process modeling and improvement. Cost, energy, chemical and column analysis.

- *Excel (Proficient)*

Statistical Analysis, plot and organize data, write functions to calculate chemical process results

- *MATLAB (Basic)*

Develop algorithms, plot, and organize data

## INTERESTS

- Water related Engineering Projects
- Working in the field as well as in the office
- Traveling for work or leisure