

# Michael Haldeman

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## SKILLS:

**Technical:** Excel, Word, PowerPoint, Aspen Plus, MATLAB, COMSOL, SolidWorks, Visio, economic analysis (NPV, ROI/ROR)

**General:** Leadership, Teamwork, Problem Solving, Creative, Technical Writing, Time Management

## EDUCATION:

Colorado School of Mines

8/2019 - 5/2023

**GPA:** 3.119

**Major:** Chemical Engineering

**Core Curriculum:** *Thermodynamics, Organic Chemistry I/II, Fluid Mechanics, Kinetics and Reaction Engineering, Separations, Heat and Mass Transfer, Material and Energy Balances, Chemical Engineering Design, Process Dynamics and Control, Physical Chemistry*

**Minor:** Economics

**Core Curriculum:** *Engineering Economics, Corporate Finance, Energy and Environmental Policy*

**Additional:** *Life Cycle Assessment, Electrochemical Engineering, Brewing Science*

## **Awards and Involvement:**

- 3<sup>rd</sup> Place of 130 Teams in Design 1 Cornerstone Competition – “Reduce Corrosion of Lead Pipes using Phosphate Injection and Paint Design”
- Men’s Club Lacrosse Team 2019-2023
- Member of Mines chess club
- ROTC Cadet 2019-2020, assigned as a “Team Leader”

## **Certifications:**

- Adult First Aid/CPR/AED
- ELA952: SChE: Identifying and Minimizing Process Safety Hazards

## EXPERIENCE:

Unit Operations Laboratory – Colorado School of Mines, Golden, CO

5/2023 - 6/2023

- Conducted, analyzed, and led several hands-on experiments in the field of chemical engineering
  - Included heat & mass transfer, fluid dynamics, and separation processing
- Displayed time management and collaboration skills through weekly technical reports & presentations

Senior Design Capstone Project – Colorado School of Mines, Golden, CO

8/2022 - 12/2022

- Subject: Converting Hemp into Graphene
- Researched, designed and presented the feasibility of a process which included MEB, HAZOP, and economic analysis

Sustainability Researcher, Cheniere – Washington, DC

7/2021 - 8/2021

- Researched environmental policy and sustainability topics
- Prepared reports and presented findings to the environmental project team

Dasher, Door Dash – Stevensville, MD

4/2020 - 7/2020

- Averaged 50 hours per week
- Achieved Top Dasher status by completing high volume orders and maintaining high customer satisfaction rating

Commercial Crabbing – Stevensville, MD

6/2018 - 8/2018

- First mate on the “Never Satisfied”
- Learned to cull crabs, paint and bait traps, and maintain equipment