
BRANT MORTON

2692 Whittington Ln., Westlake, LA 70669 | C: 337-661-4603 | brantmort@gmail.com

Objective

Obtain a full-time Project Engineering position

Education and Training

Bachelor of Science: Chemical Engineering

Minor: Mathematics

McNeese State University

2019

Lake Charles, LA

GPA - 3.5

Computer Skills: Excel/PI Processbook/Aspen HYSYS/Python

Certification: SACHE Level I (Safety & Chemical Engineering Education)

Professional Experience

Process Engineering Intern

05/2018 to 08/2018

Phillips 66

Westlake, LA

- Monitored and reported on a Hydrodesulfurization (HDS) unit
 - Troubleshot anomalies in Key Performance Indicators
 - Evaluated unit constraints to seek further improvement
 - Worked with operators to ensure safe unit operation
 - Presented monthly unit metrics to supervision
 - Optimized HDS wash water systems
 - Followed through the MOC process to redefine limitations on wash water injection
 - Reevaluated sample regimen on Ammonium Bisulfide concentrations
 - Developed a tool to calculate recommended wash water usage based upon updated Ammonium Bisulfide concentrations
 - Established an improved control scheme to further automate wash water adjustments
 - Reduced sour water production amongst HDS units by 9% on average
 - Inspected Equipment
 - Inspected Coker Heaters routinely with area engineers
 - Inspected a re-tray of an Absorption Tower with an area engineer
 - Monitored and Optimized Naphtha Splitting Towers
 - Developed Process Models in Aspen
 - Addressed cut inefficiencies
 - Improved frequency of hitting key product specifications
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Awards

- Lasater Engineering Scholarship Recipient
- McNeese State University President's List
- Confer/Creel Scholarship Recipient
- Westlake Rotary Club Scholarship Recipient
- Citgo Engineering Scholarship Recipient