

BRANT **MORTON**



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**Objective**



Obtain a full-time engineering position to further the success of Amazon



**Education and Training**



**Bachelor of Science**: **Chemical Engineering Minor: Mathematics**

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| **2019** |
| Lake Charles, LA |

McNeese State University

**GPA** - 3.48

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

**Certification:** SAChE Level I (Safety & Chemical Engineering Education)



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| **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
  + Modified Process & Instrumentation Diagrams
* 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



**Awards**



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