CHRISTOPHER STONE

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Skills/Capabilities/Expertise

- Proficient in ChemCAD, Aspen, LIMS, Bluebeam, Excel, Word, PowerPoint, and Visio
- Experience with PRO/II, Polymath, MATLAB, and AutoCAD
- Numerous Presentation experience through STEM classes and Co-Op
- Technical Writings including: Hydrocracker Advanced Process Controls Study, Isom ARC Valve Study, Vacuum Diesel Cooler Process Design, and Crude Unit Cooling Tower Process Design

Education

The University of Alabama, Tuscaloosa, AL
Master of Business Administration, May 2021
Concentration: Financial Engineering
GPA: 4.0

The University of Alabama, Tuscaloosa, AL
Bachelor of Science, May 2020
Chemical and Biological Engineering
GPA: 4.0

Work Experience

Ascend Performance Materials, Pensacola, FL **June 2020 – Present**
Chemical Engineering Intern

Hunt Refining Company, Tuscaloosa, AL **January 2019 – June 2020**
Process Engineering Intern

- Developed a process design package to replace a rental cooling tower with a permanent one. The package involved equipment and instrument data sheets, PFD with line loss calculations, P&IDs, plot plan, and proposed isometrics.
- Corrected mass balance on Hydrocracker and CCR units to resolve inaccuracy errors on closing the balance, and accounted for product yields exiting the unit to compare to vendor predictions
- Developed packages for future Crude Unit projects to reduce bottlenecks and improve product yield including a diesel rundown line, kerosene jumper line, vacuum diesel reflux cooler, and wash oil recycle
- Prepared for a unit turnaround by securing replacement packing, redesigning liquid distributors, increasing pump impellers, and creating project package for a bypass line
- Obtained valuable experience during two turnarounds by inspecting over 15 different pieces of equipment, learning to work under high pressure situations, and engaging with contractors

Hunt Refining Company, Tuscaloosa, AL **May 2017 – December 2018**
Chemical Engineering Co-Op *(3 Rotations)*

- Conducted pressure loss calculations for the cooling water system and modeled it in PRO/II
- Designed a test vessel to determine Ergun Equation parameters for different types of media
- Constructed loading diagrams and managed vessel loading's for numerous vessels, including amine and HPNA charcoal filters, fuel gas chloride treaters, and water softener vessels
- Created a tool to trend and predict the end of life of catalyst beds
- Trended heat transfer rates of pre-heat exchangers to determine efficiency throughout a run cycle and acquired a wireless temperature transmitter to better monitor exchangers for fouling

Hunt Refining Company, Tuscaloosa, AL **May 2016 – December 2017**
Inspection Intern *(Seasonally)*

Honors/Leadership/Activities

- Capstone Engineering Society Outstanding Senior Nominee — Spring 2020
- Vice President of Tau Beta Pi (Engineering Honor Society) — Spring 2019 – Spring 2020
- Secretary of University of Alabama Club Baseball — Spring 2017 – Spring 2019
- Astrobotics Marketing Team — Fall 2016 – Spring 2017
- Gold Level Winner, STEM NASA Project — Spring 2016
- Member of University of Alabama Club Baseball Team — Fall 2015 – Spring 2019