CURTIS RUDER

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Experience

Imubit   **Houston, TX**   **2022 – current**

Principal Refining and Petrochemical Process Optimization Engineer   **2022 - current**
- Leveraging refinery knowledge to support sales and marketing efforts
- Consulting internally on project development and technical challenges
- Mentoring engineers on soft skills and client interaction opportunities
- Translating refinery optimization strategies to unit specific control opportunities
- Training new employees on refining sector and Imubit technology
- Key member of the team that created the most successful FCC controller in company history

Baker & O'Brien   **Houston, TX**   **2017 – 2022**

Technical Consultant   **2019 - 2022**
- Worked on multiple client projects leveraging experience and technical capabilities to delivery high quality work on time and on budget
- Conducted market analysis on nearly all refining and demand centers in the U.S.
- Developed IMO2020 predictive model and presented results at industry conference (COQA)
- Researched, developed, and supported the creation of topical market reports shared on Baker & O'Brien's website and RBN's daily blog

Product Manager for Refinery Industry Modeling Software   **2018 - 2022**
- Set software strategy, vision, and marketing objectives for commercial application *PRISM™*
- Managed client relationships that included upstream, midstream, and downstream analysts
- Migrated software from deprecated technologies to modern alternatives
- Created data automation that reduced organizational commitment from 3 FTE to 0.6 FTE

Refinery Modeling Specialist   **2017 - 2022**
- Maintained and improved refinery process models for all 125 U.S. refineries
- Parsed nearly 25,000 data points per quarter to create industry look back and analysis
- Interfaced with analysts and subscribers to share industry insights
- Created LP for US crude markets that merged multiple data sources into cohesive analysis
- Incorporated evolving dynamics such as IMO2020, RINs, LCFS, RBOB specifications, etc. into analysis to capture evolving market impacts and constraints

Flint Hills Resources   **Corpus Christi, TX**   **2012 - 2017**

Economics and Planning Engineer   **2015 - 2017**
- Supported all gasoline blending activities and temporarily all distillate blending
- Identified and championed several multi-million-dollar optimization opportunities
- Calibrated LP yields for all conversion units and hydrotreaters

Process Engineer / Equipment Strategy Engineer   **2012 - 2015**
- Aspen HYSYS site lead for process unit modeling
- Supported FCC, fixed bed alkylation, coker, and HF alkylation units
- Mentored four process engineers as temporary team lead

NCRA Refinery (CHS Inc)   **McPherson, KS**   **2009 - 2012**

Process Engineer   **2009 - 2012**
- Supported refinery crude and light ends units
- Lead overnight Process Engineer on major refinery turnaround

Education

Texas A&M – Corpus Christi	**M.B.A. with Finance Concentration**	2016 - 2019
Kansas State University	**B.S. Chemical Engineering**	2004 - 2009