

EDUCATION

- 2017 – 2019 **RICE UNIVERSITY, JONES GRADUATE SCHOOL OF BUSINESS** **HOUSTON, TX**
Candidate for Master of Business Administration (MBA) degree, May 2019.
Consulting Club, Strategy Club, Technology Club.
- 2010 – 2013 **UNIVERSITY OF TEXAS AT AUSTIN** **AUSTIN, TX**
Bachelors of Science, Chemical Engineering.
University Honors 2010-2012, Mentor for Student Engineers Educating Kids, University of Texas Water Polo Team.

EXPERIENCE

- 2013 – 2017 **FLUOR CORPORATION** **SUGAR LAND, TX**
One of world's largest publicly traded engineering, procurement, fabrication, construction and maintenance companies, offering integrated solutions for clients' complex and challenging capital projects.
Process/Specialty Engineer (2015 – 2017)
- Designed world-scale petrochemical facilities for global clients going through Front End Engineering and Design and Engineering, Procurement and Construction phases of international projects.
 - Managed client relationships by actively engaging on day-to-day basis. Worked with inhouse clients on interdisciplinary teams, solving complex design challenges. Traveled to client sites for information gathering.
 - Created and developed project deliverables, maintaining ownership throughout entire life of project. Specific deliverables included piping and instrumentation diagrams (P&ID), process flow diagrams and other relevant engineering documents.
 - Led joint client meetings communicating project progress with goal of ensuring optimized process design and safety. Client presentations included P&ID reviews and hazard and operability studies (HAZOP).
- Associate Process Engineer (2015 – 2017)**
- Leveraged research and analytics to design flare system of major process unit. Used relevant process simulation software to design and size all relevant equipment including pumps, vessels and heat exchangers.
 - Engaged cross-functionally with other engineering disciplines, clients and vendors to select equipment based on optimization of capital cost and functionality.
- 2012 **NALCO, AN ECOLAB COMPANY** **SUGAR LAND, TX**
Provider of safe, sustainable chemistry programs and services to upstream and midstream oil and gas industry, refineries and petrochemical operations.
Process Engineer Co-op
- Managed process improvement and safety projects that accumulated over \$50K in cost savings.
 - Formulated and tested hypothesis to determine adequacy of alternative methods of waste water disposal. Created and conducted experiment to gather information and test alternate technologies.
 - Collected and analyzed historical data to design new pH monitoring system for plant's caustic scrubber.
 - Streamlined day-to-day operations with smaller scale projects including selection and installation of packaging meters, chemical transfer lines and automated valves.
 - Presented project results and recommendations to group of upper management and plant leadership.

ADDITIONAL INFORMATION

Skills: Excel, PowerPoint, Java, Matlab, Python, Aspen Process Simulation Software.

Activities: Advanced Scuba Certified, MS 150 Participant, K9 Angels Animal Shelter Volunteer, International Traveler, Energy Rider Training Series Ride Coordinator.