



# AICHE NEWSLETTER



*American Institute of Chemical Engineers*

## INTERNSHIP EXPERIENCE:

Amir Ronasi is a senior graduating in the spring of 2019. He completed an internship experience with Chevron Phillips Chemical Company at Sweeney, Texas from May-August 2018. He was a process engineering intern and worked on two projects for 3 months. While the chemical engineering knowledge taught in class was important to know during the internship, Amir found that a lot of the information needed to complete his assigned projects was learned on the job. Every day was spent monitoring the assigned unit, simulating the process in Aspen Plus, and gathering information through different sources such as operators and experienced engineers to make progress toward completing the project.

The major project that he worked on during his summer internship with CPChem was optimizing the ethylene product heat exchanger that heated the ethylene stream being sent to a polyethylene unit to meet the specifications of the polyethylene unit. The increase in the temperature of the ethylene was accomplished by sizing a new flow control valve to increase the flow rate of propylene, the hot stream of the heat exchanger. After completing the first part of his project, he spent the rest of his time at CPChem optimizing the process to save money by making the refrigeration process more efficient. His secondary project resulted in \$35,000 cost savings per year for his assigned unit.

Amir advises students of all levels in chemical engineering to utilize the resources available through Texas Tech, the EOC, and the alumni mentoring program. All experience is important even if it is not the desired field of interest for a student. Every opportunity is important, and a missed opportunity could be a missed potential career according to Amir. Amir advises students to "Be proactive in the process of pursuing a job opportunity and do your best to qualify yourself for your desired career". After graduating, Amir will be starting a career with ExxonMobil in Spring, Texas as an Optimization Engineer starting July 2019.



Written by: Sheree Clendening, Class of 2019

## EVENTS:

**2/5** General Meeting & Election

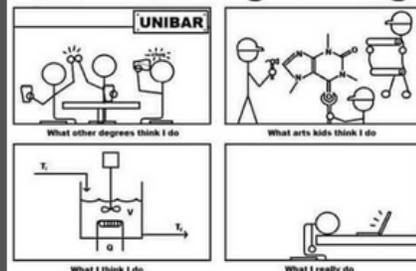
**2/7** EQ Book Club Meeting

**2/11** AIChE Yoga Class

**2/12** Carpe Diem with NSBE

## JOKE OF THE WEEK:

### Chemical Engineering



## EQ BOOK CLUB

Did you know 90% of top performers have a high EQ? Don't worry, I didn't know what that was either until 2 weeks ago, but EQ is like IQ for your emotions. But what makes it better is that we can improve it, unlike IQ which is stagnant for our entire lives. Taking notice and making improvement to self-awareness or relationship management can improve your EQ, which will "improve the quality of relationships around you and even spring you into a leadership position in your career" says Jessica Nguyen (leader of the AIChE EQ Book Club). In the EQ Book Club, we talk more in depth about EQ, from defining the characteristics to improving them, it is an incredibly enlightening hour on Thursday evenings. If you would like to join the EQ Book Club, please email [jessica.T.nguyen@ttu.edu](mailto:jessica.T.nguyen@ttu.edu) to get started. The readings are sent weekly at no cost to you, so if you want to improve your EQ, come on by!

Written by: Ishpinder Walia, Class of 2021

