

# MUSA RAFIK

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## EDUCATION

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**The University of Texas at Austin** Bachelor of Science, Petroleum Engineering May 2019  
Minor (18 hours) in Math  
Minor (18 hours) in Computer Science  
Overall GPA: 3.30

## LEADERSHIP EXPERIENCE AND ACTIVITIES

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**Youth Bowl – College Captain** Spring 2017

- Guided 20+ elementary school students through STEM activities to learn about engineering design process
- Coordinated with fellow College Captains and Shell Employee Volunteers to carry out STEM activities for 20+ students

**Shell Stem Showdown – College Captain** Fall 2016

- Managed a team of six high school students and two other college captains to compete in STEM competition
- Engineered two motorized cranes and two miniature rovers to accomplish objectives laid out in competition
- Mentored six high school students about college application process and inspired them to pursue a career in STEM

**Programmers in Science and Engineering – Membership Director, Instructor** Fall 2016 – Present

- Modified Excel spreadsheets to aid in visualization of 200+ members in organization for corporate sponsors
- Organized and headed programming workshop along with other instructors to teach 30+ students Python
- Coordinated social event for 200+ members with 2 other board members to develop a sense of community within the organization

**Ismaili Muslim Student Association – Internal Vice President Subcommittee** Fall 2015 – Present

- Designed activities to facilitate the building of relationships between 80+ members within the organization
- Reduced the amount of marketing for organizational events by 10% as a result of developing an events newsletter
- Developed Powerpoint presentations for organizational meetings to help update 80+ members about organization news
- Participated in various community service activities such as cleaning of Lady Bird Lake, Hands on Housing, and ushering

**UTA Volunteers – Member; Arlington, TX** Fall 2014 – Spring 2015

- Developed activities to facilitate the development of relationships between members within the organization
- Financed organization through fundraisers such as canned food drives and sale of baked goods on campus
- Researched various charities to determine best allocation of \$1k to achieve organization's goals

**Aeromavs – Member; Arlington, TX** Fall 2014 – Fall 2014

- Applied engineering concepts to design and build a rocket for competition in Spring
- Budgeted \$200 for materials for the construction of rocket
- Guided construction of rocket with 20 other members to create a more structured and efficient method of collaboration

## WORK EXPERIENCE

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**Kroger Co. – Grocery Clerk; Irving, TX** Summer 2015

- Trained 4 new employees to perform daily operations which led to an increase in efficiency
- Provided excellent customer service to customers in order to increase future revisits to store
- Operated machinery to transport products to be stocked throughout store to increase efficiency

## HONORS

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- University Honor Roll Spring 2015
- University Freshman Distinction Roll Fall 2014

## ADDITIONAL INFORMATION

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**Computer Skills:** Python, MATLAB, Microsoft Word, Microsoft Powerpoint

**Languages:** Fundamental in Spanish and French, Fluent in Urdu and Hindi

**Interests:** Hip-Hop/Rap Music, Television, Programming, Traveling, Puzzles, Volunteer Work, Reading

**Work Eligibility:** Eligible to work in the U.S. with no restrictions