**Mohamed Hassan**

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**Objective:** ***A junior Engineering role*** that rewards excellence and encourages learning.

Major in Mechanical Engineering, Bachelor of Engineering Science B.E. Sc, from Texas A&M (Texas, US). Exceptional interpersonal skills. Over 2 years of practical experience in serving the student engineering Council (SEC) at Texas A&M, coupled with research projects for designing and fabricating a 3-D printing machine outputting cement with the use of a Robotic Arm.

A diligent and dedicated, resourceful, client-focused individual with 2 + years of experience in successfully handling various areas in the Student Engineering Council at the Texas A&M (TAMUQ) as well as spearheading the designing and fabricating of a 3-D printing machine outputting cement with the use of Robotic Arm. In my recent work with Green Home Network in Toronto, Ontario, I was responsible for advising clients on energy conservation by using energy-efficient HVAC upgrades, increasing insulation, drafting sealing, and installing new windows and doors by offering rebates and Hub Programs.

I have been recognized as a top-performing, high-achieving staff; I am a skilled, logical, and effective communicator who excels at aiding customers through compassion and hard work. As a Summer Intern, I worked with a global conglomerate Petrochemical company called Qatar Petrochemical in Doha, Qatar, and have gained real-world and unparalleled exposure and Industry knowledge during my Internship with Qatar Petrochemical.

**Technical Skills**

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| --- | --- |
| * Python (Anaconda) * Matlab * Robot Studio * ANSYS * LabVIEW * SolidWorks * Microsoft Word * Microsoft Excel – Advance Functions (Pivot Table) * Microsoft Outlook | * Project Management * Clear communication skills * Window & Apple operating systems * Research skills using most of the advanced search engines such as Google, and Yahoo * Health Informatics * PowerPoint * Data analysis |

**Research & Projects**

**Designing and fabricating a 3 D printing machine outputting cement with the use of a Robotic arm:**

* Used a dedicated programming Software known as Robot Studio to control and monitor the robot system to perform specific durable tasks
* Operated and controlled the ABP Robot with the use of Robot Studio
* Manipulated and mixed particular cement to achieve the desired percentage strength
* Through Machinery Surveillance, I monitored the machine operations involved in the midstream sector in the LNG Train production process for Qatar Gas
* As part of the research project, I worked alongside Qatar Gas engineers to build a fully functional surveillance system machine as part of this project

**PROFESSIONAL EXPERIENCE**

**Qatar Petrochemical Company, Doha Qatar** **June 2021 to Aug 2022**

**(International Intern position)**

* During the internship, I gained real-world and unparalleled exposure and industry knowledge by working with various engineering departments in Qatar Petrochemicals Company from design, testing, and surveillance.
* Documented the daily monitoring report from the testing and surveillance assigned tasks
* Completed all the assigned tasks and prepared an end of the Internship program report, including lessons learned

**Green home Network Toronto, Canada April 2019 to Aug 2020**

**Intern – Energy conservation advisor**

* Collected energy consumption data from the clients and advised various ways to conserve energy efficiently;
* Gathered evidence and demonstrated the cost-saving associated with installing energy-efficient appliances as well as retrofitting their HVAC;
* Provided the opportunities to benefit government programs such as rebates and Hub Programs
* Engaged the sales team to reach out to the client in finalizing the deal while providing the necessary pre-sales technical support for the data gathering from the client;

**TExas A&M – Student Engineering Council (SEC)**  **Sept 2018 to May 2020**

**Vice President (SEC)**

* Responsible for team meetings and leading the team is focusing on the annual SEC plans and events
* Prepared annual reports to the SEC president, including improvement opportunities and SEC accomplishments
* Ensured effective communications and reporting were in place with core donors, mainly “Dolphin Energy,” for the status of the sponsored projects and making sure that they were fully involved
* Planned and organized fundraising activities and meetings for the entire Texas A&M engineering students and donors

**Volunteer Experience**

**College of North Atlantic July 2016 to Aug 2016**

**Cashier Bookstore**

* Greeted college students in a timely, courteous, and friendly manner
* Processed orders and entered them accurately into the Point of Sales (POS) system
* Received payment from customers and processed change and refunds in the POS.
* Conducted daily inventory count to identify missing items
* Documented end of the day closing procedures for new Intern students

**Education**

* **Bachelor of Engineering Science B.E. Sc Texas A&M University – (Texas US) – August 2022**

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| * Python (Anaconda) * MATLAB * Robot Studio * ANSYS | * LabVIEW * SolidWorks * Leadership Skills * Exceptional Interpersonal and Communication skills |

**References**

* Reference is available upon request