

Unus Rahim Khan

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CAREER OBJECTIVE

Seeking an internship in mechanical engineering that can help me familiarize myself with the field. Looking for research opportunities that can help me establish an excellent understanding in engineering. I have done many projects related to electrical, manufacturing and mechanical engineering. I have successfully created circuits with Arduino board with a sensor and indicator. Familiar with AutoCAD and have design experience. I have 1 year of managerial experience in retail.

COURSES

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|-----------------------------|------------------------------------|-------------------------|
| - Dynamics | - Measurements & Instrumentation | - Materials Engineering |
| - Thermodynamics 1 & 2 | - Applied Engineering Analysis 1&2 | - Engineering Graphics |
| - Manufacturing Engineering | - Manufacturing Lab | - Materials Lab |

SUMMARY OF QUALIFICATIONS

- Used Autocad, Solid Works in multiple courses
- Microsoft Office – Word, Excel, PowerPoint
- 1 years of managerial experience in retail industries
- Worked in programing using Matlab in multiple courses
- Worked effectively with peers in designing infrared circuit
- Worked with equipment for testing materials
- Understanding in materials science and studied different structures and properties of materials
- Studied effects of heat transfer
- Programed circuits using LabVIEW, MULTISM
- Language skills: fluent in Urdu
- Worked in machine shop, experience with measurement tools, saw, drill, mill, lathe, and welder.

EDUCATION

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| • University of Texas at San Antonio, TX
Bachelor of Science in Mechanical Engineering | Expected Graduation May 2021
Cumulative GPA 3.03 |
| • Northwest Vista College, San Antonio, TX
Associate of Science in Engineering | Graduation May 2018
GPA 3.5 |

EXPERIENCE

Measurements & Instrumentation Course and Lab, UTSA- San Antonio, TX

Aug 2019- Dec 2019

- Programmed and constructed a circuit using an Arduino board.
- Made a sensor which consisted of an actuator and an indicator controlled by an Arduino board.
- Completed multiple circuits using LabVIEW and MULTISM

Thermodynamic 1 & 2 Course, UTSA- San Antonio, TX

June 2019- Dec 2019

- Worked with and solved Heat, work, equations of state, thermodynamics systems, control volume, first and second laws of thermodynamics, applications of the laws of thermodynamics, reversible and irreversible processes, and introduction to basic thermodynamic cycles.
- Studied effects of Energy and availability analysis, reactive and nonreactive mixtures, moist air properties, psychometric systems and analysis, vapor and gas power cycles, refrigeration and heat-pump cycles,

Machine Element Design Course, UTSA- San Antonio, TX

Jan 2020- Current

- Currently working on group project in designing a two-stage speed reducer that will take power from the shaft of an electric motor rotating at 1200 rpm and deliver it to a machine that is to operate at approximately at 155 rpm. An overall reliability of 95 % and a design life of 20,000 h. A design factor 1.5 will be used.

Sales Associate, Daniel's Food Mart -San Antonio, TX

June 2017 - June2018

- Managed sales of \$1000 to \$2500 per shift with high accuracy rate.
- Assisted with merchandise returns for store credit or refunded amounts
- Monitored areas for safety and hazard issues, Trained new employees on premises

ACTIVITIES AND HONORS

Alamo Colleges Scholarship, <i>Recipient</i>	2017-2018
Heartland Hospice, <i>Volunteer</i>	2017-2017
Penny appeal, <i>Volunteer</i>	2019- 2019