

# Herman Kazmi

## Master of Engineering Design



**Creative**



**Leader**



**Team player**



Toronto, ON



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## Education

### Master of Engineering Design Candidate (Product Design)

McMaster University

Hamilton, Canada – August 2015

GPA: 3.9/4.0

### Bachelor of Engineering (Mechanical)

NED University of Engineering and Technology

Karachi, Pakistan – December 2013

GPA: 3.7/4.0 (83.13%)

## OBJECTIVE

Seeking a position where I can apply Human Centred Design tools to develop products/systems changing lives



## Work Experience

### Student Researcher Union Gas

Hamilton, Canada – 2015

- Used Human Centred Design tools to investigate and eliminate the sources that cause damage to buried infrastructure.

### Engineer in Training Engro Polymer and Chemicals Ltd.

Karachi, Pakistan – 2014

- Organized and delivered technical training sessions for labor in shops helping them understand the relevant equipment engineering and design concepts
- Worked with on-site maintenance teams to generate work permits and lead the technical teams
- Completed DuPont's training modules on Process Safety and Risk Management which communicates safe handling, storage and transportation of chemicals, quality assurance and injury reduction on site

## Profile



**Designing and prototyping**



**Courses in HCD and CAD/CAM**

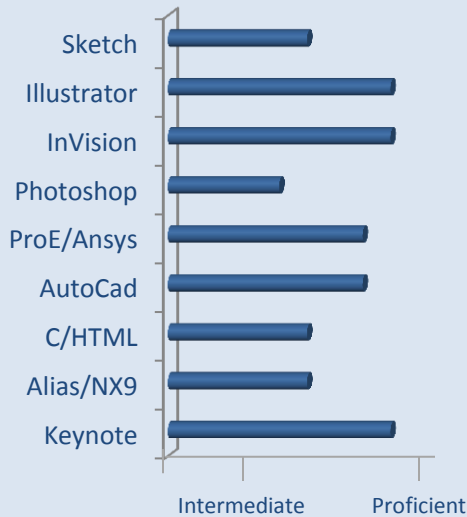


**Lead teams in diverse projects**



**Proactive, influences decisions and makes work fun**

## Software Skills



## Extracurricular Roles



### Student Representative

Graduate Curriculum and Policy Committee  
McMaster University, Hamilton



### Associate Editor

Literary and Publications Society  
NED University, Karachi



### Event Manager

American Society of Mechanical Engineers  
NED University, Karachi

## Planning engineer Philip Morris Pakistan Ltd.

Karachi, Pakistan – 2013

- Managed finished goods inventory levels, preventing out of stock incidents and successfully completed repacking project through root cause analysis
- Designed and automated the template for Daily Sales and Production Report which allowed the global management and relevant departments to identify sales and production trends
- Performed the Value Stream Mapping activity in the planning department by organizing and leading the meetings composed of all associates which helped in identifying wastes and bottle necks in the process and improved efficiency of the team

## Maintenance Engineer Engro Fertilizers

Daharki, Pakistan – 2012

- Managed maintenance of stationary equipment, under Ammonia 3 Stationary Field Maintenance department
- Created an MS Excel based Standard Operating Procedure (SOP) for maintenance of all types of valves which is used as a guideline for technicians and for scheduling maintenance activities
- Worked with the team that developed maintenance plans for level gages installed on the plant



## Projects

- “Designed and prototyped on-field data feedback and excavation mobile app”, Union Gas, 2015
- “Alternative damage prevention approaches”, presented for Union Gas at ORCGA Symposium 2015
- Consultant for development of tools to support families suffering from Eating Disorders, 2015
- “Design of a Spiral Plate Heat Exchanger to heat palm oil in oil refineries”, for NED University, 2013
- Edited and assisted research on teaching methods published in JPMA Vol. 63, No. 11, 2013
- “Analysis and redesign of Insight e-zine”, for LPS, 2012
- “Design of a self-propelled glider”, for NED University, 2011
- “Proposal for an earthquake damage proof building”, for Intel Sind Science Olympiad, 2009