

UMAIR ALI

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PERSONAL PROFILE

Self-motivated Masters' Student in Engineering Management with experience in the manufacturing and composite industry. Seeking a career in an innovation-oriented Materials & Manufacturing industry and requiring a 'year in industry experience' to complete my Masters' programme with Greenwich University and willing to continue career within same company in UK. I would like to enhance my abilities as a team worker and strengthen professional knowledge base for the benefit of the organization and self-development.

PROFESSIONAL SKILLS

Computer skills: SAP ERP, Solid works, Abaqus, MATLAB, FEA, Ansys, Microsoft Office, Adobe PS

Basic manufacturing: Composite Moulding, Fabrication Methods & Metal Casting Techniques, Lathe Machine 3-Axis CNC router, Welding Plants.

Interpersonal skills: Team working, Emotional Intelligence, Relationship Management, Work Ethic

PERSONAL SKILLS

Problem solving & Decision Making: Can recognize & solve problems effectively by choosing the best possible cost-effective solution learn these skills during my Internship & in my research project by collaborating with different Composite industries.

Team management: capable of handling people, projects and resources effectively, more than 2 years' experience from my own start-up by handling stake holders, suppliers, customers, Team Members & inventory.

ACHIEVEMENTS

- Utilization of Banana Fiber-Reinforced Hybrid Composites in Sports Industry (**Research Paper**)
- Umair Ali, Flexural Behaviour of Banana/Glass Fiber Reinforced Hybrid Composite, Proceeding Of 12th International Exergy, Energy, And Environmental Symposium, March 2020, Qatar (**Conference Paper**)
- Founder of the Publishing House & Online bookstore "**The Books Yard**" publishing young talent to motivate and support their talent.

HIGHER EDUCATION

UNIVERSITY OF GREENWICH, UK

MSc in ENGINEERING MANAGEMENT WITH INDUSTRIAL PRACTISE

16 Sep 2019 – 30 Sep 2021

Relevant Modules:

Advanced Principles in Lean Manufacturing, Accounting Finance & Business Planning, Advanced Principles in Supply Chain Management, Strategy & Management, Global Engineering

Individual Project: "*REVIEW ON METHODS FOR SYNTHESIS, ADDITIVE MANUFACTURING AND APPLICATIONS OF NANOCOMPOSITES*"

UNIVERSITY OF MANAGEMENT & TECHNOLOGY, PAKISTAN

BACHELOR'S IN MECHANICAL ENGINEERING

Oct 2014 – Feb 2019

Relevant Modules:

Year 4- Entrepreneurship, Engineering Economics, Internal Combustion Engine, Power Plants

Year 3- Machine Tool & Machining, Numerical Analysis, Engineering Economics, Production Management

Year 2- Mechanics of Material, Manufacturing Process, Mechanics of Machines, Business Ethics

Year 1- Engineering Drawing, Engineering Statics, Materials Engineering, Thermodynamics

Individual Project: ***"EXPERIMENTAL & NUMERICAL ANALYSIS OF BANANA FIBRE REINFORCED HYBRID COMPOSITES"***

INDUSTRY EXPERIENCE

Internee Engineer

Al Khalid Battle Tank Factory, Pakistan - Heavy Industry Taxila

June 2017 – August 2018

Learnt Camera Calibration & Image processing Techniques by using MATLAB for designing of the vehicles using reverse engineering Technique, gained basic experience on 7-axis CNC Machining using in Hull & turret of Battle Tank. Also worked on removal of residual stress by using sand blasting method & viewed material testing techniques for quality assurance of SUV vehicles.

OTHER WORK EXPERIENCE

Assistant Manager

Papa John's, London (Nov 2019- Present)

Working as a store assistant manager in one of the busy stores of Papa John's in London, Main roles involved are the food supply chain and team management along with other managerial work.

PROJECTS

- **FEA lab project - stress determination**

Demonstrated & calculated Stress on 3d Modelled composite plate along with the simulation in ABAQUS.

- **Materials lab project - done the video project on the polymers & composites.**

Research & collection of data about different composites, videography about them involved in presenting the video while working on the editing and the shooting of the video.

- **Manufacturing lab project - sand casting using cope and drag method.**

Complete understanding of Moulds, Binders, Patterns, and Furnaces used in this process

CERTIFICATE

- Production Planning through SAP university alliance
- Material Management through SAP university alliance
- Deans Merit Award, School of Engineering 2017
- Certificate of Registered Engineer Under Pakistan Engineering Council Act 1976

HOBBIES AND INTERESTS

- Book reading
- Basket ball
- Running

REFERENCES AVAILABLE UPON REQUEST