**NAZIHA**

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**C/o- +971501685421**

**Australian Citizen**

**Saudi Resident**

**CAREER PROFILE**

Pro-active and incisive Engineering Graduate seeking a position within the Biomedical Engineering sector in areas of Assistive Technology, Rehabilitation Engineering and Health Support Technologies. With a solid background in Medical Sciences and practical experience in both laboratory and hospital environments, I have developed strong capabilities towards the management, and effective contribution towards project outcomes. Previous experience in the fields of Teaching, Management and Administration has helped further develop my interpersonal skills and other relevant abilities.

**EDUCATION**

**Masters of Biomedical Engineering Feb 2015 - Nov 2016**

**University of Technology Sydney, NSW**

 Distinction Average

 Major Areas of Study: Medical devices and Diagnostics, Biomechanics, Biomedical Signal

Processing

**Bachelor of Biomedical Science July 2011 - July 2014**

**Griffith University, Nathan**

 Distinction Average

 Major areas of study: Human Anatomy and Physiology, Chemistry, Molecular Biology, Laboratory

Techniques and Microbiology

**High School Diploma June 2005 - June 2011**

**Manarat Al-Sharkiya Schools, Saudi Arabia**

**Cambridge AS and A-level Examinations Oct 2009 - Oct 2011**

Achievements

 **2012**: Award for being in the top 5% of academic achievers at Griffith University

 **2011**: Award for ranking first in ICT AS Cambridge examinations in Dammam, Saudi Arabia,

 **2008-2011**: High school award for outstanding educational achievement for four consecutive years.

**EMPLOYMENT EXPERIENCE**

**Biomedical Engineer Trainee Mar 2016 – Dec 2016**

**Macquarie University, NSW**

Working in the Department of Assistive Technology under the training of a senior Rehabilitation Engineer with the following duties:

 Meeting with patients to discuss the patient’s restrictions and needs, and

to provide feedback on the equipment provided

 Designing customized seat cushions for physically impaired and spinal injury patients using Solid Works

 Travelling to different hospitals to carry out wheelchair adjustments and servicing

 Working in the workshop with machinery such as machine drills, milling machine, sanders, laser cutters and various other tools to design tailored equipment for patients

 Experience using different materials in the workshop

 Using Solid Works to create 3D designs and printing out parts using the 3D

printer based on the design created

 Using Arduino boards, and programming Arduino software to create interactive electronic objects based on biomedical signal feedback

**Clinical Practice Manager (2IC) and Dental Assistant Mar 2016 – Jan 2017**

**Pearl Dental Clinic, Canterbury NSW**

 Develop and maintain practice policies and procedures

 Ensure consumables and equipment are kept stocked

 Arrange and schedule dental lab collections from the clinic

 Follow up on patient treatment plans and scheduled appointments

 Maintenance of patient records and preparation of medical reports

 Training new staff

 Providing dental assistance in the surgery

Achievements: Promotion from Dental Assistant to Clinical Practice Manager (2IC) after four months as a demonstration of leadership and management skills. Training of new staff and contribution to a Work Placement High school program as a supervisor.

**Private Tutor July 2011 – Current**

**Self-employed**

 Year 1-12 and tertiary students

 7-10 classes held per week

 Subjects tutored: Mathematics, Advanced Mathematics, General Science, Physics, Biology,

Chemistry and Arabic

**VOLUNTEER EXPERIENCE**

Islamic Relief Australia, Sydney **March 2015-Dec 2015**

**Volunteer and Event Coordinator**

University of Technology in Sydney, Muslim Society **2015 Semester 1 and 2**

**Treasurer**

Griffith University Ensemble of Sri Lankan Students Club **Feb 2012-July 2014**

**Event and meeting coordinator**

Kuraby after-school language classes, Brisbane **Aug 2011-Dec 2012**

**Arabic Primary School Teacher**

KFUPM Arabic Language School, Saudi Arabia **June 2009- June 2010**

**Arabic Tutor and Event Organizer**

**SKILLS**

**Biomedical Engineering**

 Use of computer software and mathematical models to design and test devices and equipment

 Liaise with technicians and manufacturers to ensure the feasibility of a product in terms of design and economic viability.

 Conducting research to solve clinical problems using a variety of means

 Writing reports to present work and designs to a range of technical and non-technical

audiences.

 Sound knowledge of Solid works, Arduino, Matlab, LabVIEW

 Maintenance of clinical equipment

**Quality Assurance**

 Perform root cause analyses

 Create effective corrective and preventative action plans

 Review risk management reports and validation studies

**Biomedical Science and Laboratory**

 Professionally applicable scientific and practical skills

 300 hours of experience in the laboratory

 Physical containment level 2 (pc2) laboratory protocols and aseptic techniques

 Workplace health and safety policies

 Issues in biological, chemical and research laboratories

 Time management skills

 Scientific report writing and effective written and oral communication skills

 Problem-solving strategies

 Legal and ethical policies and responsibilities

**REFEREES**

Available upon request