

K A R A M E L - M A W L A Z . B A S S Y O U N I

OBJECTIVE

To register in BDL Accelerate Healthcare Hackathon 2016 event, gain priceless inspiration and precious information, and utilize my technical, analytical, and creative skills to make a high potential prototype.

EXPERIENCE

August 1st, 2014 – present Biodiamond Middle East SAL Lebanon

Responsibilities:

- Installing, repairing and providing preventive maintenance for biomedical equipment including sterilizers, washers, infant incubators, blood gas analyzers, distillers, centrifuges, warmers, pumps, ...

September 15th, 2008 – July 31st, 2014 Jubaili Bros Co. Lebanon

Responsibilities:

- Designing sound proof enclosures for generators
- Operation, maintenance and troubleshooting of machines.
- Sheet metal forming computation and CAD drawings.
- Generating punching CNC codes using CADMAN software.

May 26th, 2008 – July 24th, 2008 YLE Company Lebanon

Self Education: PLC Programming.

Training (PLC Projects):

- Anti-Lock down press program.
- Simple simulation of basic control for a 2-axis saw machine.

2005 – present Private lessons Lebanon, Saida

Math, Physics & Electronics Private Tutor

- Giving math and physics lectures for secondary school students.
- Aiding in electronic projects for university and technical institute students.

EDUCATION

2010- 2012 Rafik Hariri University Lebanon, Mechref

- M.Sc., Masters of Sciences in Mechatronics Engineering
- GPA: 3.5/4

2005- 2008 Hariri Canadian University Lebanon, Mechref

- B.Sc., Bachelor of Sciences in Mechatronics Engineering
- GPA: 3.2/4

2004-2005 El-Iman High School Lebanon, Saida

- BAC-II in Life Sciences

SKILLS

- Self Education ability and Troubleshooting skills
- Very adaptive to new computer programs and languages
- Researching for different topics in reliable sources
- Writing formal reports
- Practical Experience in designing and implementing Mechatronics

systems including:

- Microprocessors and combinational/sequential logic circuits.
- Sensors interface and signal Processing circuits.
- Layouts for PCB Circuit boards.
- Programming skills
 - Both high and low levels languages
 - Console and visual (GUI)
 - Advanced (data structures)
- Background in some computer and programming languages
 - C, C++ very good
 - MATLAB , m-file + GUI very good
 - G-Language (LabVIEW) very good
 - PIC Assembly very good
 - PLC Ladder Diagrams very good
- Plotting mechanical components in 2D and 3D using CAD tools
- Very high skills in plotting software:
 - Autodesk AutoCAD
 - Autodesk Inventor 2013
- Background in Office Automation software
 - High skills in OpenOffice.Org Writer, calc and Impress.
 - High skills in Microsoft Office Word, PowerPoint and Excel.
 - Exposed to Microsoft Access.

LANGUAGES

- Arabic: mother tongue
- English: spoken and written
- German: fair knowledge

SEMINARS/WORKSHOPS ATTENDED

- | | |
|--|------------------------------|
| ▪ Terufusion pumps service training | TERUMO, Dubai, UAE |
| ▪ SteriVac & Autoreader service training | 3M, Dubai, UAE |
| ▪ Crisis and Disaster Management (<i>Sphere</i>) | Lebanese Center for Dev. |
| ▪ Engines, Alternators, & Control Panels | Jubaili Bros. training dept. |
| ▪ Sound Insulation Workshop | Jubaili Bros. training dept. |
| ▪ Effective Communication Skills | Management Mix, Beirut |
| ▪ Web programming workshop | LAMBA LABS, Beirut |
| ▪ STEPPS training program | Jubaili Bros. HR dept. |
| ▪ LabVIEW instrumentation systems | National Instruments |

REFERENCES

Available upon request