

RAYANE HASSAN

Biomedical Engineer and Medical Physicist

CONTACT

Address: Lebanon

Phone: +961 76911794

Email: Rayane.Hassan@outlook.com

Date of Birth: 02/06/1997

Nationality: Lebanese

LinkedIn: <http://linkedin.com/in/rayane-hassan->

Objective

Looking forward to work in a career oriented environment, where I could project my innovative skills in the field of biomedical engineering with a high success rate, for the organization and for the self-growth.

Qualification

- Use of engineering software: C++, Simulink, Visual Studio, LabView and Matlab since I did different projects using them
- Extraction of biological signals: heart, brain, muscle, pressures
- Create breadboards skillfully in the traditional and advanced ways
- Make different medical and technical devices: incubator, home water filtration, biomedical educational kit containing an ECG, EMG, SPO2 and NIBP devices
- Languages: Arabic, English and French
- Use of advanced computer software: Microsoft office due to the excessive use of this software in the university researches
- Do researches since I did a research for 6 months with the UTT University in France about the extraction of walking speed parameter using characterization device based on Doppler radar
- Able to learn fast and adapt to new environment
- Able to work individually and in teams
- Capable of working under pressure and to meet deadlines
- Able to learn new procedures quickly and easily
- Able to organize tasks efficiently

Work Experience

Trainee

2019

Galien Medical Services/ Lebanon, Hazmieh

- Performed preventive Maintenance for medical equipment
- Performed corrective Maintenance for medical equipment: Surgical table, Paxman machine, infusion pumps, syringe pumps...
- Filled work orders: Quality control reports, quick guide, Delivery notes...

Secretary

2017-2019

EMBS society in Rafik Hariri University/ Lebanon, Mechref

- Note the minutes of meeting
- Arrange bake sales to earn money for the society
- Invite Known speakers to give students about diseases
- Participate in the open house of the university to guide people about the biomedical major

Education

2020 **Masters 2 in medical physics**

Lebanese University Faculty of Science, Hadath

2019 **BE in Biomedical engineering**

Rafik Hariri University (RHU), Mechref (ABET accredited)

Certifications and Memberships

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| Member in IEEE (Institute of Electrical and Electronics Engineers) | 2019 |
| Physiovibes article written by my colleagues and I in the IEEE website | 2019 |
| Certificate from Fourth AUB Biomedical Engineering Winter School | 2018 |
| Printed Circuits Boards: Design and Manufacturing Workshop | 2017 |
| Volunteer in the Lebanese Red Cross | 2014 |