

# RABAB KAWTHARANI

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A fresh graduate with a BEng in mechatronics. Passionate about the fields of sustainability, robotics and machine learning. Eager to advance my career and work with a diversified group of people on tackling multifaceted problems and the pressing issues that we face today.

## WORK EXPERIENCE

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**SEP 2018 – PRESENT**

**Co-founder and CFO, HEATECHS**

- Founded a social enterprise that aims to harness the power of energy through eco-friendly conditioning alternatives.
- Studied the thermal modeling of phase change material in different applications.
- Worked on the strategy development of the company and connected with new business development opportunities.
- Designed ecofriendly products using material science technologies.
- Completed periodic financial reporting and analysis.

**JUN 2020 – AUG 2020**

**Course Facilitator**

- Worked on course material including microcontrollers, sensors and actuators, virtual prototyping.
- Delivered online courses.

**JAN 2017 – APR 2018**

**Instructor Assistant - Rafik Hariri University**

- Supported with administrative work in the Mechanical and Mechatronics Engineering Department.
- Built Robots for Exhibitions.
- Worked in supporting students at the Student Learning Support Center for Mechanics of Materials and Dynamics Courses.

## EDUCATION

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**SEP 2016 - JUL 2020**

**Bachelors of Engineering in Mechatronics - RAFIK HARIRI UNIVERSITY**

- GPA: 4.0
- Honor List & Merit Scholarship holder.

**MAY 2016**

**Lebanese Baccalaureate, General Science**

- GPA: 4.0
- High Distinction.

## SKILLS

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- Computer Aided Drawing (AutoCAD, SolidWorks, Tinker CAD).
- Programming (Python, MatLAB, C++, LabVIEW, Ladder Logic).
- ANSYS Modelling.
- Circuit Simulation (Microcap, Multisim, Fritzing, Tinker CAD).
- Microsoft Office (Word, Excel, Visio, PowerPoint, Visual Studio).
- PCB Design (Eagle).

## PATENTS

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**SEP 2018**

### **Patent 11520**

- Patent awarded for the design of Heatechs pad for ecofriendly conditioning.

## PUBLICATIONS

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**MAY 2020**

### **Quality Assessment of Robotic Grasping Using Machine Learning Algorithms**

- IEEE sensors letters.

## AWARDS

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- First place at Hult Prize Lebanon.
- Second place of the Incubation and Business Support Prize by Berytech at LIRA Competition.

## ASSOCIATIONS

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**SEP 2019 – PRESENT**

American Society for Mechanical Engineers (ASME).

## EVENT PARTICIPTION

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- Judge at the final event of Hult Prize Lebanon at S District.
- Judge at the on-campus event of Hult Prize Lebanon at Phoenicia University.
- Panelist at CSR Lebanon.

## LANGUAGES

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- Arabic: Native.
- English: Fluent.