Mouhamad Haidar Lakkis

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Education

MASTER IN SCIENCE OF ENGINEERING | SEP 2018 – JUN 2020 | FREE UNIVERSITY OF BRUSSELS
Major: MECHATRONICS AND CONSTRUCTION

COURSES IN MACHINE LEARNING | JAN 2020-APR 2020 | STANFORD UNIVERSITY:
Major: MACHINE LEARNING

BACHELOR | SEP 2015 – SEP 2018 | LEBANESE UNIVERSITY FACULTY OF ENGINEERING III
Major: Mechanical Engineering

Experience

ELECTROMECHANICAL ENGINEER | REPRO GLASS SPIN-OFF | OCT,2019 – PRESENT:
· Working as an electromechanical engineer on RePRO spin-off project, where an experience in CAD design, manufacturing processes and electric circuits is developed.

MASTER THESIS | FREE UNIVERSITY OF BRUSSELS | AUG,2019 – JUN, 2020:
· Working on the development of control theory in swarm robots using ROS framework.

INTERNSHIP | UNIROMA TRE | JUL,2019 – SEP,2019:
· Working on "Pantheon" European robotics agricultural project where professional experience was developed in ROS, robotics domain, machine learning and camera vision.

PROJECTS:
· Programming a UAV by implementation of a mission planner using ROS framework
· Building an automatic pill dispenser to help patients with memory problems
· Building a robot for the annual Sumo Bot competition at the Lebanese University Faculty of Engineering
· Controlling the level of a real water tank system using matlab and Simulink
· Building a wooden bridge model that must be able to hold maximum of 150 kg and a minimum of 70 kg
· Building a piston-like system by welding steel parts used to compress some types of fruits and food

Skills & Abilities

LANGUAGES:
· English (Fluent)
· Arabic(Native)
· French (Basic)

COMPUTER SKILLS:
· C,C++,python (very good)
· ROS (very good)
· PLC(very good)
· Inventor, Solid Works,Autocad, Fusion 360 (very good)
· Matlab, Simulink (Excellent)
· Arduino (Excellent)
· Linux (very good)