

Karim Chamaa

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EDUCATION

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| New York University Tandon School of Engineering , Brooklyn, NY | January 2017 |
| <i>Master of Science in Mechatronics and Robotics Engineering, GPA:4.0</i> | |
| Lebanese American University School of Engineering , Byblos, Lebanon | January 2015 |
| <i>Bachelor of Engineering in Mechanical Engineering with distinction, GPA:3.5</i> | |

SKILLS

Software: Arduino, Android Studio, ANSYS, AutoCAD, C/C++, C#, Eagle CAD, CATIA, Java, LabVIEW, Linux, MATLAB/Simulink, Microsoft office, OpenCV, Primavera, Python, ROS, SolidWorks, Unity3D, V-REP, Mathematica.
Language: Fluent in Arabic, English, and French.

ACADEMIC PROJECTS

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| Autonomous Writing and Drawing Robot: <i>New York University</i> | January 2016 - May 2016 |
| <ul style="list-style-type: none">Designed and built a low cost and stand-alone robotic arm capable of reproducing any paint file or captured image by making use of its onboard camera.Improved user everyday life by simply having a robotic arm that can draw, write or mimic any file accurately. | |

EXPERIENCE

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| New York University Mechatronics and Controls Laboratory , Brooklyn, NY | July 2016 – January 2017 |
| <i>Graduate Research Assistant</i> <ul style="list-style-type: none">Built and experimented a mobile robot with an assistance duty using a robotic arm, a Kinect, and a laser scanner.Designed a virtual reality Android application where the user can select any object to be delivered by the robot.Improved the life of persons with physical disabilities by implementing a robot that can assist them. | |
| New York University Center for K12 STEM Education , Brooklyn, NY | June 2016 - January 2017 |
| <i>Team Leader</i> <ul style="list-style-type: none">Lead and trained a team of 15 student instructors in order to promote engineering teaching for more than 400 high school students around New York City.Developed curriculum, managed resources and designed robotic activities. | |
| Middle East Airlines (MEA) , Beirut, Lebanon | July 2014 - August 2014 |
| <i>Mechanical Engineering Intern</i> <ul style="list-style-type: none">Developed knowledge while attending lectures, working in the continuous airworthiness management organization, quality control and scheduling departments.Performed maintenance checks A, B, and C on Airbus 330 and Airbus 320 aircraft. | |
| A.Fallaha & Co. , Zalka, Lebanon | June 2010 - December 2013 |
| <i>Salesperson</i> <ul style="list-style-type: none">Maintained strong relationships with customers and granted high value-adding services.Observed market activity and quoted pricing in order to preserve healthy profit margins. | |
| Crown Flour Mills , Cornich Al Naher, Lebanon | July 2008 - August 2008 |
| <i>Mechanical Engineering Intern</i> <ul style="list-style-type: none">Achieved routine scheduled maintenance work on flour milling machines and responded to equipment flaws.Developed new maintenance strategies, controlled maintenance tools and monitored maintenance costs. | |

VOLUNTEER ACTIVITIES

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| Lebanese Red Cross | January 2012 - September 2012 |
| <ul style="list-style-type: none">Saved the lives of people by responding to emergencies and disasters. | |

ADDITIONAL INFORMATION

Honors and Awards: United Nations International Children's Emergency Fund certificate of participation.
Student Clubs and Organizations: Member of the Lebanese Scout Association for more than twelve years.
Personal Interests: Enjoy hiking and swimming.