Maged Yassin

Curriculum Vitae

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Work experience

MAY 2016 – PRESENT

PAT Technologies, Vaudreil

R&D Engineer

Implementing computer vision algorithms in the company's R&D robotics projects, as well as developing three fully responsive websites for the company and its product lines.

JANUARY 2016 – APRIL 2016

Ranger Design, Montreal

Custom Design

Preparing layout drawings in Solidworks in accordance to customers requests, ERP administration and working with customer service on package quotes for various fleets and individual customers.

MAY 2015 – AUGUST 2015

Centre For Intelligent Machines, Montreal

SURE Intern

Detailed design of a spherical cam mechanism to be used as an automotive rear differential in electric vehicles, producing machine drawings, placing machining orders, and reporting project's progress on weekly basis.

JUNE 2015 – PRESENT

ICC, Montreal

MATLAB Tutor

Teaching MATLAB for McGill's engineering students in the form of weekly tutorials.

Education

2017	**Mechanical Engineering** MASTERS DEGREE *McGill University, Canada*
2013 – 2016	**Honours Mechanical Engineering** BACHELOR DEGREE *McGill University, Canada*
2012 – 2013	**Pure and Applied Science** *Vanier College, Canada*

Projects

AUGUST 2015 – DECEMBER 2016

McGill University, Montreal

Honours Thesis

Investigating inverse and forward dynamics of an innovative fast pick & place robot using MATLAB/Simulink.

APRIL 2015 – AUGUST 2015

Aero McGill, Montreal

Design and Structures

Designing a fixed wing aircraft, wing loading calculations and analyzing aircraft's structure using ANSYS FEM.

Communication skills

ENGLISH	Fluent
FRENCH	Intermediate
ARABIC	Native speaker

Software skills

ADVANCED LEVEL	MS-Office, LaTeX, MATLAB, C, C++, FORTRAN, Java, HTML, CSS, Arduino, SolidWorks, CATIA, ANSYS
INTERMEDIATE	Fusion, Python, Maple, Mathematica, Processing, AutoCad, Inventor, Pro/ENGINEER
BASIC LEVEL	JS, VBA, LabView