

Hussein Daou

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Education:

Bachelor of Mechanical engineering, concentration in Aeronautical; anticipated graduation 2010.
McGill University, Montreal, QC.

Work Experience:

Engineering Intern, Site Technology, Abu Dhabi, UAE Summer 2008

- Trained on wireless digital surveillance equipment synchronizing.
- Assisted on-duty engineer, kept track of deadlines and recorded status of on-going projects.

Research Experience:

Construction and Testing of an Artificial Representation of Nacre (In Progress)

Prof. Francois Barthelat, McGill University, Montreal, QC

- Used extensively a diamond saw in order to cut and prepare test material.
- Analyzed test material samples using optical microscope and image capturing software.

Projects:

Machine Element Design: 2008-2009

Goal: Design a Universal Tensile Machine, and run stress analysis on major components.

Deformable solids: 2008-2009

Goal: Model and run stress analysis, using ANSYS, for a distinct steel bar.

Conceptual Design: 2007-2008

Goal: Design and construct, in cooperation with three team members, a robot capable of completing an obstacle course. Nominated for best creative design.

Design Graphics: 2006-2007

Goal: Model, in cooperation with three team members, a Hamilton Beach toaster oven consisting of 41 unique components using Solid Works; Achieved highest project grade in the class.

Skills:

Languages: Fluent in English and Arabic (written and spoken)

Computer Software:

- Pro-engineer
- Solid Works.
- ANSYS
- Qcapture Pro
- Basic programming in C, FORTRAN, and Matlab.
- Highly computer literate. (Microsoft Office)

Interpersonal/Communication: Strong team working, leadership and communication skills.

Organizational: Effective at time management and prioritizing tasks to achieve deadlines.

Interests & Achievements:

Awards:

- Honours throughout grades 8-12 in high school.
- Interstate Honour distinction in grade 8.

Extra-Curricular Activities:

- Member of Students for Exploration and Development of Space (SEDS), since 2008.
- Member of MSA since 2006.
- Sports: Soccer, swimming, basketball, and squash.
- Member of Engineering Without Borders since 2009