



Application Form 2007/2008

APPLICANT INFORMATION			
Last Name	Emran	First	Shahriar (Shawn)
Date of Birth (mm/dd/yyyy)	08/05/1987		
Street Address	7 Ungava Bay Road	Apartment/Unit #	
City	Brampton	Province	Ontario
Postal Code	L6R 3M6	Phone #	647-242-5894
E-mail Address		semran@ryerson.ca	
Student ID:	500149896	Immigration Status:	Permanent Resident
		Are you legally able to work in Canada? Yes	
Cumulative GPA	3.24	(Aerospace Engineering: 3.00)	(Project Management: 3.42)

EDUCATION	
Program	Bachelor of Aerospace Engineering & Certificate in Project Management
Major	Aerospace Engineering
# of Semesters Completed	4

DATE AND SIGNATURE	
Date (mm/dd/yyyy)	11/28/2007
Signature	Shawn Emran

7 Ungava Bay Road
Brampton, Ontario
Canada L6R 3M6

November 28, 2007

Ryerson Institute for Aerospace Design & Innovation
Ryerson University
350 Victoria Street
Toronto, Ontario
Canada M5B 2K3

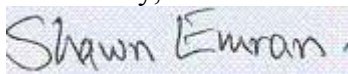
Re: Engineering Intern

Please consider the attached application, resume and transcript for the Engineering Intern position available through Ryerson Institute for Aerospace Design & Innovation (RIADI). I am confident that my qualifications, skills and abilities will best match one or more positions available through the RIADI program.

As an Aerospace Engineering student at Ryerson University, I have developed essential skills required to make a positive contribution to the aerospace industry. My experience as an Engineering Co-op in the Production Manufacturing Team at Fenwick Automotive Products gives me unmatched qualification over other candidates. As an Engineering Co-op at Fenwick, I performed methods engineering and lean manufacturing improvements through production data analysis, material flow analysis and process flow time studies to achieve production efficiency. I made significant contribution to the implementation of Six Sigma practices on the production floor such as material identification, flow tracking and dating of production stages to prepare for the annual quality inspection. I also made a positive contribution in re-engineering the fundamental processes within the organization and in analyzing the root causes of inefficiency to maximize the production capacity. Through my experience at Fenwick, I developed professionally as I contributed to the company's success by the appropriate application of lean manufacturing concepts such as Kaizen, Kanbans & Just-in-Time (JIT) inventory control at the production plant.

My innovative character, positive attitude and the ability to fit-in well within the company make me a brilliant candidate for the position. I would welcome an interview and I am available at your convenience. Please contact me anytime at 647-242-5894 or shawn.emran@gmail.com. Thank you for considering my application.

Yours truly,

A handwritten signature in blue ink that reads "Shawn Emran". The signature is written in a cursive, slightly slanted style.

Shawn Emran
Encl.

SHAWN EMRAN

7 Ungava Bay Road, Brampton, Ontario, Canada L6R 3M6

647-242-5894, shawn.emran@gmail.com, <http://shawn.emrangroup.com>

HIGHLIGHTS OF QUALIFICATION

- Experienced in engineering design, project management & manufacturing roles through Engineers Without Borders, Solar Car, Supermileage, Aero Design & Fenwick Automotive
- Skilled with MS Word, MS Excel, MS PowerPoint & continuously enhancing skills with MS Project, MS Visio, SolidWorks, AutoCAD & CATIA
- Well versed with programming languages such as C++, PHP, CSS & HTML
- Attained strong knowledge of lean manufacturing, methods engineering & project management principles through work experience & course work
- Possess exceptional interpersonal, communication, organizational, time management & leadership skills through extensive involvement in engineering projects

FORMAL EDUCATION

Certificate in Project Management **2007 – Present**

Ryerson University, Toronto, Ontario

Bachelor of Aerospace Engineering **2006 – Present**

Ryerson University, Toronto, Ontario

Bachelor of Science in Mechanical Engineering **2005 – 2006**

Schulich School of Engineering, University of Calgary, Calgary, Alberta

RELATED EXPERIENCE

Engineering Co-op - Production Manufacturing Team **May – July 2007**

Fenwick Automotive Products, Toronto, Ontario

- Performed methods engineering improvements through production data analysis, material flow analysis & process flow time studies to achieve production efficiency
- Implemented Six Sigma practices on the production floor such as material identification, flow tracking & dating of production stages to prepare for the annual quality inspection
- Contributed positively in re-engineering the fundamental processes within the company & in analyzing the root causes of inefficiency to maximize production capacity
- Executed normal distribution on production data through the computation of mean, median, variance, standard deviation & confidence intervals to evaluate work performance
- Developed professional experience while contributing to the company's success by the appropriate application of lean manufacturing concepts such as Kaizen, Kanbans & Just-in-Time (JIT) inventory control at the production plant

PROJECT EXPERIENCE

Systems Engineering Lead **September 2006 – Present**

Ryerson University Aero Design Team, Toronto, Ontario

- Contributed to the Systems Engineering report by formulating a Work Breakdown Structure (WBS) to organize the project into manageable work packages
- Applied the fundamentals of aircraft flight aerodynamics to design a model aircraft, which finished 4th among Canadian universities at the SAE Aero Design East competition
- Created a blueprint of the Horizontal & Vertical Stabilizers of the model aircraft using AutoCAD for inclusion in the design report submitted to the competition

Project Management Specialist**January – May 2007****Ryerson University Supermileage Team**, Toronto, Ontario

- Developed Work Breakdown Structure & Gantt Chart using MS Word & MS Excel for the design report, which received the highest score at the SAE Supermileage competition
- Collaborated with sponsors & distributors to secure sponsorship & parts on time
- Maintained the project website to inform sponsors & partners about team updates
- Contributed to the construction of the male & female molds using composite materials

Engineering Student - Aerodynamics Team**January – August 2006****University of Calgary Solar Car Team**, Calgary, Alberta

- Contributed to the selection of an appropriate airfoil for the solar car
- Gained understanding of the aerodynamics of the solar car & its implications on other systems of the car such as suspension, steering & regenerative brakes
- Developed an appropriate method to formulate the Center of Mass, Center of Gravity & Centroid of the solar car using MS Excel

Engineering Student - Mechanical Design**September 2005 – April 2006****University of Calgary Engineers Without Borders**, Calgary, Alberta

- Designed a Palm Kernel Separator to generate sustainable businesses in rural Ghana
- Re-engineered a Portable Treadle Pump resulting in increased efficiency & cost reduction
- Drafted a design for the frame & trough of a Cassava Crasher used in developing countries to be manufactured & subsequently installed in Ghana
- Created numerous blueprints of mechanical parts for production by machinists
- Performed detailed documentation of engineering projects from concept to final design

AWARDS & SCHOLARSHIPS

- Academic Merit Admission Award, University of Calgary
- Scholar's Advantage Award, University of Calgary
- Alexander Rutherford Scholarship, Alberta Education
- Honors Medallion, Lester B. Pearson High School
- Award of Merit, Aventis Biotech Challenge Calgary
- Bronze Medalist, Canadian Cricket Association Canada Cup

CONFERENCES ATTENDED

- Success Secrets of the Motivational Superstars
- The Secrets "How-to" for Young Entrepreneurs
- Professional Engineers of Ontario Student Conference

AFFILIATIONS & MEMBERSHIPS

- Student member of Professional Engineers Ontario
- Student member of Ontario Society of Professional Engineers

PERSONAL INTERESTS

- Workout at least once a week at the fitness center
- Avid observer of new developments in the Aerospace Industry

Unofficial Transcript

Shahriar (Shawn) Emran

Student #500149896

Ryerson University

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AEROSPACE ENGINEERING & PROJECT MANAGMENT	
Overall Cumulative GPA	3.24

BACHELOR OF AEROSPACE ENGINEERING		
SEMESTER	NUMBER OF COURSES	GPA
Fall 2006	1	4.330
Winter 2007	2	2.330
Cumulative GPA	3	3.00

CERTIFICATE IN PROJECT MANAGEMENT		
SEMESTER	NUMBER OF COURSES	GPA
Winter 2007	4	3.418
Cumulative GPA	4	3.42

COURSES COMPLETED TO DATE

COURSE CODE	COURSE TITLE	GRADE
ENGINEERING (1ST YEAR)		
AER 222	Engineering Design & Graphical Communication	CRT
CHE 102	General Chemistry	CRT
CPS 125	Digital Commutation & Programming	CRT
MTH 140	Calculus I	CRT
MTH 141	Linear Algebra	CRT
MTH 240	Calculus II	CRT
PCS 211	Physics: Mechanics	CRT
PCS 125	Physics: Waves & Fields	A+
PCS 213	Sound, Light & Modern Physics	C+
MTL 200	Materials Science Fundamentals	C+
ENGINEERING (2ND YEAR)		
AER 309	Basic Thermodynamics	CRT
MTH 410	Statistics	CRT
ECN 801	Principles of Engineering Economics	CRT
PROJECT MANAGMENT		
CKPM 202	Fundamentals of Project Management	A-
CKPM 203	Planning & Scheduling	A-
CKPM 211	Leadership in Project Management	B+
CMHR 405	Organizational Behavior & Interpersonal Skills	B

Unofficial Transcript

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Ryerson University

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COURSES COMPLETED TO DATE

COURSE CODE	COURSE TITLE	GRADE
OTHER COURSES		
CHE 222	Chemical Process Principles	CRT
ECN 104	Introductory Microeconomics	CRT
ECN 204	Introductory Macroeconomics	CRT

FALL 2007 COURSES

COURSE CODE	COURSE TITLE
AER 316	Fluid Mechanics
AER 318	Dynamics
AER 320	Statics & Strength of Materials
CMN 432	Communication in Engineering Profession
MTH 309	Differential Equations
PSY 109	Perspectives in Psychology

WINTER 2008 COURSES

COURSE CODE	COURSE TITLE
AER 403	Mechanisms & Vibrations
AER 416	Flight Mechanics
AER 423	Thermodynamics & Heat Transfer
EES 512	Electric Circuits
ECN 503	Economic Development
ECN 607	Issues in International Economy