

Junaid Ashraf

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EDUCATION

Smartly Institute

March 2019 – Feb 2020 (*Expected*)

- **MBA – Master of Business Administration**

McGill University - Montreal, QC

Sep 2012 – June 2017

- **B.Sc. Mechanical Engineering - Internship Program, McGill Engineering Scholarship**

SKILLS

- **Software:** Microsoft Office Suite, MS Project, SolidWorks, AutoCAD, CATIAV5, PYTHON, FORTRAN, C, MATLAB, SQL, SAP

WORK EXPERIENCE

Quality Project Coordinator - Bombardier Aerospace, Toronto, Canada

Nov 2017 – Dec 2018

- Led multidisciplinary activities of team involving Production, Methods, Engineering, and Logistics to mitigate risks to aircraft build schedule due to supplier quality escape issues
- Improved efficiency of processes through VBA to support successful entry-into-service of the Global 7500 Business Jet
- Managed action plans for major structural suppliers to ensure aircraft built conforms to engineering requirements
- Analyzed Quality Management System data to create and monitor key supplier performance metrics

Product Marketing Analyst Co-op - Bombardier Commercial Aircraft (BCA), Montreal, Canada

Jan – April 2017

- Defined, executed and managed plan to strengthen BCA's competitive intelligence process
- Involved in strategy planning with Marketing VP, Commercial VP to identify key intelligence needs to develop an overall product portfolio strategy for Bombardier Commercial Aircraft (C Series /CRJ Series /Q Series)
- Conducted data analysis to define product improvements to various aircraft systems (Performance, Avionics, Interiors)

Manufacturing Engineering Intern – Siemens Canada Ltd, Montreal, Canada

Jan – April 2016

- Led process improvement activities to ROLLS-ROYCE TRENT & RB211 Gas Turbines in a highly cross-functional team environment involving manufacturing, product development, quality and supply chain teams
- Obtained hands-on experience in repair and overhaul operations by providing the necessary actions on SAP and collaborating with Subject Matter Experts, MRB and technicians on the shop floor
- Drafted Engineering Service Procedures for R&O and health and safety processes

Value Engineering Consultant – Terragon Environmental Technologies, Montreal, Canada

Sep – Dec 2016

- Performed feasibility studies on methods to convert excess waste heat from Terragon's Micro Auto Gasification System (MAGS) into useful energy by evaluating different thermodynamic processes in a team of 6 people
- Generated savings of \$13,000 on MAGS by implementing Value Engineering methodologies including cost/benefit analysis

Project Management Intern – Abu Dhabi Commercial Engineering Services, Abu Dhabi, U.A.E

Jun – Jul 2015

- Assisted project managers in developing the project scope of work requirements, cost estimates, and project plan
- Performed load calculations for HVAC systems, MEP system sizing and assisted in design of building services

EXTRACURRICULAR ACTIVITIES & PROJECTS

Aerodynamics Team Lead - McGill SAE AERO Design Advanced Class

Aug – May 2017

- Participated in competition to design, develop, test and manufacture a radio controlled (RC) fixed wing aircraft
- Led and managed tasks related to aerodynamic design of aircraft such as the wing, tail, empennage as well as carrying out stress analysis on ANSYS, CAD and final construction of these parts

3D Flow Analysis of a Turbomachine

Sep - Dec 2015

- Developed MATLAB code to design the basic shape of a rotor blade under free vortex conditions in an aircraft's engine

PT6T-3B Engine overhaul - Ecole Nationale d'Aerotechnique, Montreal, Quebec

Oct 2015

- Completed an engine overhaul of PT6T-3B (Pratt and Whitney) aircraft engine in a team of five people
- Ran simulation of engine with turboprop in test cell to perform acceleration, performance and fuel consumption checks

Project Coordinator - Right to Play McGill

Jan – May 2014

- Organized fund-raising events to raise \$10,000 for the welfare of children in underprivileged countries