

NATHANIEL AYANLOWO
136 BAY STREET SOUTH, HAMILTON, ON, L8P3H5
+1 (416)-617-0690 nate.ayanlowo@gmail.com

HIGHLIGHTS OF QUALIFICATIONS

- Strong Interpersonal skills in communicating with a large team evident while working in Dofasco
- Excellent teamwork and self-management skills
- CAD experience: Solidworks, AutoCAD (Drafting, modeling, assembly, sheet metals and GD&T)
- Tools: Matlab, Simulinks, Minitab, Siemens NX10, CNC Simulator, ANSYS and ROBOTC experience
- Microsoft office experience: Microsoft Word, Excel, Power point, Access, OneNote, Outlook, Microsoft Project, VISIO
- Proficient in learning new computer application
- Valid Driver's licence with an access to a vehicle
- Project Management Certification (PMP)
- A member of Professional Engineers of Ontario

EDUCATION:

Master of Engineering, Design November 2017
McMaster University, Hamilton, Ontario
Thesis: Process and Production Optimization

Project Management Certification June 2016
Ryerson University, Toronto, Ontario
Courses taken include: Planning and Scheduling (CKPM 203), Project Risk & Quality Management (CKPM 209), Project Cost& Procurement Management (CKPM 212)

Bachelor of Engineering, Mechanical Engineering, June 2013
Ryerson University, Toronto, Ontario
Courses taken include: Machine design, Vibrations, Heat Transfer, Stress Analysis, Material Science

SKILLS

- Able to use numerical and analytical models to predict, control, and design component, system, and process behaviours
- Able to manage projects
- Capable of working independently and passionate about continuous learning
- Able to make decision using sound engineering judgment
- Strong attention to detail
- Capable of using graphics to explain, interpret, and assess information
- Experienced working in a troubleshooting, fault-finding and field technical support
- Excellent application of engineering and scientific methods to solving problems
- Highly motivated with excellent time management skills
- Great organizational skills demonstrated while working my team in Dofasco
- Able to prioritize and multi-tasking and completing project work in a restricted time frame demonstrated while working in Dofasco
- Strong leadership and technical skills developed while working in Dofasco

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WORK EXPERIENCE

Mechanical Engineer

Norlok Technology Inc, Brantford, ON, Canada

May 2017-November 2017

JOB SUMMARY:

Responsible for revising and engineering of customer orders of existing or new part design using SolidWorks

FUNCTIONAL RESPONSIBILITY:

- Solved production issues, including working with Manufacturing Engineering and Production departments to optimize material usage and the assembly process
- Created and managed engineering bill of materials for designated product lines and also ensured accuracy and quality
- Performed R&D lab works which include lab tests, new lab equipment selection, as well as design and equipment set up

Research Engineer/Technologist

ArcelorMittal Dofasco, R&D, Hamilton, ON, Canada

February 2015 – July 2016

JOB SUMMARY:

Responsible for product characterization and mechanical testing for the 6 Galvanized line project

FUNCTIONAL RESPONSIBILITY:

- Performed source approval testing, compiling information with histograms for different OEM
- Prepped samples for mechanical testing using the shear and milling machine per ASTM, JIS, DIN testing specifications
- Carried out mechanical test requirement such as: U-Channel, R/t Bend test, E290 Bend test
- Conducted mechanical tensile testing using the Instron and MTS testing machine for shear strength and formability testing
- Performed hole expansion testing for Honda, Toyota, Chrysler using the Hillie Press
- Performed 2D&3D traces on various steel samples using the Taylor Hobson Profilometer and Omni Surf software
- Analyzed data received from all of the various test performed using the Hillie Press, MTS, and Instron
- Analyzed and reported data and project work to project coordinator

Trim Press Operator

Orlick Industries Limited, Hamilton, ON, Canada

November 2013 – May 2014

JOB SUMMARY:

Responsible for the safe operation of trim press machine to trim high-quality aluminium parts from a die cast machine according to the define process.

FUNCTIONAL RESPONSIBILITY:

- Maintained continuous operation of the trim press machine.
- Performed quality gauging, SPC etc. as determined by the job specific control plan.
- Performed a full Statistical Process Control check. Log inspection data into the computer according to control plan
- Completed all necessary paperwork (i.e. pre-start safety checks, scrap, good parts produced, downtime, production sheets, bin tags, In-process sheets, etc.)
- Effectively communicated any visual or dimensional defects to the next operator at shift change