

Abderrahmane Djerourou

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Languages: French & English

FORMATION

Bachelor's degree in Automated Manufacturing Engineering 2020

École de technologie supérieure - Montreal (Quebec)

Technological Academic Path 2014

École de technologie supérieure - Montreal (Quebec)

College diploma in Pure and Applied Science 2013

Collège de Maisonneuve - Montreal (Quebec)

SOFTWARE KNOWLEDGE

Conception: SolidWorks 2014, Solid Edge st10, Arena, ThingWorx Manager.

Programming: Visual Studio 2010, RSLogix5000, Studio 5000, eWON (basic), Matlab.

Office: Microsoft Office (Word, Excel, PowerPoint, Outlook, Project), Adobe Photoshop, HTML, CSS, JavaScript (Webpages creation).

JOB EXPERIENCES

Intern (Industrial Engineering) Summer 2019

Wilton Aluminum

Job Tasks:

- Establish a new production and assembly line at the factory.
- Find and contact suppliers of new machines for the production line.
- Analyze production lines and suggest improvements.
- Design safety guards for factory's hydraulic presses.

Skills Developed:

- ✓ Acquire practical knowledge of industrial safety measures.
- ✓ Learn and master the AutoCad 2D design software.
- ✓ Simulation of production lines with Autocad Arena software.

Results:

- ✓ Purchase machines for the new production line.
- ✓ Design the new production line.
- ✓ Design of 2D and 3D safety guards' production plans designed for each press.

JOB EXPERIENCES

Project management

Winter 2018

Les Moulins de Soulanges

Job Tasks:

- Program Key Performance Indicator applications (KPI) with software Excel 2010 Visual Basic for Applications (VBA).
- Evaluate project costs and compare submissions.

Skills Developed:

- ✓ Acquire practical knowledge in KPIs.
- ✓ Learn and master VBA.

Results:

- ✓ Program 7 different VBA applications.
- ✓ Develop a production plan for a Gluen-free flour project.

Trainee in Automation

Summer 2017

Qualtech Solutions

Job Tasks:

- Program an email application for preventive maintenance with Logix Designer.
- Installation, tests and start-up of the email application for interested customers.

Skills Developed:

- ✓ Expand skills with Logix Designer and RSLogix 5000.
- ✓ Develop knowledge in the various communication protocols in the IT network (SMTP, FTP, DNS).

Results:

- ✓ Successful sending of an email from the controller through an external SMTP server.
- ✓ Application in the PLCs of 3 different factories.

STUDY PROJECT

Graduation project IOT (Internet of Things)

Winter 2020

Alithya

Job Tasks :

- Visualize the evolution of sensor data (humidity, temperature) with real-time charts.
- Use of machine learning algorithms to predict engine failure based on past data.
- Use anomaly detection to detect anomalous variations in the inputs.

Skills Developed:

- ✓ Acquire practical experience on the Internet of Things using the ThingWorx platform.
- ✓ Learn the basics of machine learning and artificial intelligence.
- ✓ Work in a multidisciplinary team (electrical and system engineering).