

## Coordonnées

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## Principales compétences

Control theory

Embedded systems

Real time operating systems

# Issam Dourid

M.Sc.A Student in Computer Engineering | Electrical Engineer  
Montréal

## Résumé

Science curious

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## Expérience

Polytechnique Montréal

Laboratory Teaching Assistant

janvier 2021 - Present (3 mois)

Montreal, Quebec, Canada

Microprocessor architecture and programming

Polytechnique Montréal

R&D Internship

janvier 2020 - juillet 2020 (7 mois)

Montréal, Québec, Canada

An amazing experience at PEARL, one of the advanced process engineering research labs in North America, where experimental and computational work, along with theoretical modeling and simulation are intensely practiced in an interdisciplinary and modern scientific environment.

My work focused on modeling and controlling electromagnetic waves at microwave frequencies to assist pyrolysis reactors for polystyrene depolymerization, a cross-disciplinary subject where fundamental physics, electronics, chemistry and computer engineering are applied in a challenging perspective.

Office National des Chemins de Fer (ONCF)

Engineering Internship

juillet 2019 - août 2019 (2 mois)

Rabat, Rabat-Salé-Zemmour-Zaër, Morocco

A project to develop the railway infrastructure solutions for the future, concerning the integration of autonomous and intelligent trains in Morocco.

I worked on the development of a Deep Learning based software (Fast-RCNN) for object recognition in provision for an automatic detection system of the railway signal boards in the national rail network.

OCP SA

Engineering Internship

juillet 2018 - juillet 2018 (1 mois)

Khouribga, Béni Mellal-Khénifra, Maroc

I worked on providing a continuous improvement proposal process for OCP's electrical network management and control, along with their draglines and equipment's maintenance.

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## Formation

Polytechnique Montréal

Master of Science - M.Sc.A - , Computer Engineering · (2020 - 2022)

Ecole Mohammadia d'Ingénieurs

Electrical Engineering Degree, Industrial IT and Automation · (2017 - 2020)

Preparatory classes for engineering schools ( CPGE )

Mathematics , Physics and Engineering Science · (2015 - 2017)

Al Jazeera High school

Baccalaureate degree, Mathematical sciences - A · (2012 - 2015)