

# Iymen Abdella (FR/EN)

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## TECHNICAL SKILLS:

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### Network Security

- Mitigation of network risks in high security IT environment.
- Networking design recommendations to securely satisfy business solutions.
- Auditing of network infrastructure appliances and core infrastructure.

### Development and Operations (DevOps)

- PowerShell Desired State Configuration for server configuration and provisioning.
- Automation of core infrastructure in high security IT environment.
- Cloud automation for provisioning and configuration of Virtual Machines.

## RELEVANT WORK EXPERIENCE:

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### Technology Platform Services

- Networking and security team to improve corporation's security posture and provide support for network infrastructure.
- Automation of virtual machines and core infrastructure on premises and in the Azure cloud using PowerShell.
- Automated web application testing using C# and Selenium for core business applications.

EDC main HQ

Jan. 2018-Present

### Teacher's Assistant - Computer Architecture (French Section)

- Lab supervision, correction, and teaching for low level architecture.

University of Ottawa

Sept. 2017-Dec. 2017

### Teacher's Assistant – Analysis of Algorithms (French Section)

- Corrected assignments and provided 1-on-1 feedback to students.

University of Ottawa

Sept. 2018-Dec. 2018

## PERSONAL PROJECTS:

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### Image Processing

Used OpenCV in Python to create an algorithm to detect multiple colours in a sample video.

### Simulation Modelling

Determine optimal solution of a simulated problem using Object Oriented Programming.

### Azure Automation

Collection of PowerShell scripts to automate azure VM and firewall deployment.

### DDoS Attack Detection Algorithm

Machine learning algorithm to detect SYN Flood Attacks over a network using libraries in Python.

## EDUCATION:

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University of Ottawa *BSc Joint Honours in Computer Science and Mathematics* (Expected Graduation: Winter 2019)

Sept. 2014-present.

## VOLUNTEER EXPERIENCE:

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VP External of the Computer Science Student Association  
RBC Bluesfest Volunteer Supervisor

May 2017-May 2018  
July 2018

