# AYOUB BENAISSA

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## EXPERIENCE

**FEB 2019 – PRESENT**

### DEVOPS ENGINEER, REALISTIC SECURITY

Build a training lab of more than 50 virtual machines for penetration testing students.

**AUG 2018 – PRESENT**

### DOCKER COMMUNITY LEADER, DOCKER, INC

Organize meetups around container technology.
Share my knowledge with the community through courses and workshops.

**SEP 2018 – DEC 2018**

### JUNIOR PYTHON DEVELOPER, SFIZER GLOBAL SOLUTIONS

Design and implement a data analytics platform for clients.
I was working on the backend part with Django framework and deploying the product with Docker on an AWS EC2 instance.

**SEP 2018**

### TRAINEE, REALISTIC SECURITY

System Administration.

## EDUCATION

**2015 - PRESENT**

### COMPUTER SCIENCE ENGINEERING, ECOLE SUPERIEURE EN INFORMATIQUE 08 MAI 1945 (HIGHER SCHOOL OF COMPUTER SCIENCE ENGINEERING)

- Algorithms, Object Oriented Programming, Language Theory and Compilation
- Mathematical Analysis, Linear Algebra, Statistics
- Embedded Systems, Electronics, Digital Logic, Computer Architecture and Organization
- Operating Systems, Computer Networks, Relational Databases, Cryptography
- Software Engineering, Distributed Systems

**2012 - 2015**

### BACCALAUREATE, MALEK BEN NABI

Baccalaureate option: Technical Mathematics and Electrical Engineering Stream.
Rating: **Good** with *15,95 out of 20*.

# PROJECT

**FEB 2019 – PRESENT**

### MALWARE REVEALER

Malware Revealer is a malware classification framework, designed primarily for malware detection, it contains a modular toolset for feature extraction, as well as pre-trained models and a ready to use web API for making predictions.

**DEC 2018 – JAN 2019**

### PNEUMONIA DETECTOR

A trained neural network that can diagnose Pneumonia on chest x-ray, wrapped by an easy to use web application. It was selected as the best healthcare project by Udacity and Facebook during the Deep Learning with Pytorch challenge.

**FEB 2018 – JUN 2018**

### OPENCLASS

OpenClass is a web app that promotes information sharing through organized workshops.

**FEB 2017 – JUN 2017**

### ESI LINUX

ESI Linux is a Linux distribution made for ESI-SBA (Ecole supérieure en informatique 08 Mai 1945) students particularly, it provides all the necessary tools for their curriculum

# CERTIFICATION

**OCT 2018 – OCT 2021**

### CCNA CYBER OPS, CISCO
**SEP 2018**

### MACHINE LEARNING, COURSERA
**APR 2019**

### DEEP LEARNING NANODEGREE, UDACITY

# SKILLS

- **Machine Learning & Deep Learning:** Scikit-Learn, PyTorch
- **DevOps:** Docker, Ansible
- **Programming:** Python, C, Go, JavaScript, Octave, Android, Java, X86 Assembly
- **Relational Database:** MariaDB, PostgreSQL
- **Hardware:** Arduino and Raspberry PI
- **Others:** Git, Web Scrapping with Selenium, Django framework, KVM, Reverse Engineering (ELF and APK)

# AWARDS

- My team "Sudo_root" and I won the third place during the annual SecuriNets qualification Capture the Flag competition for the year of 2019.
- My team "Sudo_root" and I won the fourth place during the Hacklab Capture the Flag competition organized by ESGI Paris in 2018.
- 3rd with my team "Sudo_root" at the Cyber Security Awareness Week organized by New York University Abu Dhabi (Nov 2017).
- 1st with my team "Sudo_root" at the *Himayatic Capture the Flag* competition (Oct 2017).
- 1st in the programming competition organized by AutoBot13 in the Major League Hacking Local Hack Day (Dec 2016).

# ACTIVITIES

- I'm a cyber security and a machine learning enthusiast who believe that AI and Cyber Security can build a safer cyber world for all of us.
- I'm co-founder of *Ingeniums* club and the head of the OpenClass project which his main purpose is the knowledge sharing between students through workshops.
- Since 2016, I have been instructor for workshops like Docker, Machine Learning, Python Programming, Linux Binary Analysis and Exploitation, Cryptography and many more. I love teaching.