



## EDUCATION

### ENSA OF TANGIER

#### COMPUTER ENGINEERING

Expected Oct 2024

Tangier , Morocco

#### PREPARATORY CLASS

obtained 2021

ENSA of Tangier

### MOULAY YOUSSEF TECHNICAL HIGH SCHOOL

Tangier , Morocco

Graduated baccalaureate mathematics  
sciences B option French 2019

## COURSEWORK

### SOFTWARE

Object Oriented Programming

Data Structures

Advanced C Programming

Programming in c++ , c#

Programming in Java

Programming in Jee and Spring Boot

SQL 3.0 • MYSQL • PHP • XML

ORACLE • Modelization MCD

Design/Interfacing • AI weak

## SKILLS

### PROGRAMMING

Experienced:

C++ • Java • C# • C • MYSQL • Oracle

SQL • HTML/CSS/PHP • JEE • XML

technologies ( XSLT , XQUERY , XPATH ,  
XSD , DSD )

Familiar:

Clean code • BASH • MongoDB • neo4j •  
SQL 3.0

### TOOLS/APPLICATIONS

Visual Studio • VS code • Android studio •

intelij • Netbeans • QT • SQL dev •

MATLAB • PowerMCD • GNS3 •

PyCharm

### OPERATING SYSTEMS

Windows • Linux • Ubuntu

## LINKS

Github

LinkedIn

CodeForces

Site

## EXPERIENCE

### AUDIT MANAGEMENT | COFICAB MOROCCO

july 2023 – sept. 2023 | Tangier , Morocco

- Design and develop at all layers (front-end + back-end) public-facing applications for auditors to access , view and execute audits.
- Implementation of NetBeans library that includes custom frames, Swing components, and design extension methods .
- Create automated scripts that check/merge/edit/compare internal databases on a routine basis (MySQL)
- Primarily used frames and Swings , experience with Java , and MySQL

### BONUS MANAGEMENT | POLYDESIGN

July 2022 – sept. 2022 | Tangier, Morocco

- Implemented features of Qt and Bus Monitor applications in C++
- Developed a desktop app , with Qt and c++
- Utilized Excel files to store data, making it more convenient for sharing with the HR department.
- Organize and handle bugs and issues reported from users, continuously update software to meet supervisor needs.

### STUDENT MANAGEMENT | NATIONAL SCHOOL OF APPLIED SCIENCE OF TANGIER

March 2022 | Tangier, Morocco

- Provided data of all students and teachers in the college stored in data base
- it works with 2 types of data bases Oracle and MySQL , the user can specify it in the first installation of the app
- it is desktop application developed using .NET Framework with a C .

## DESIGN EXPERIENCE

### IMAGE PROCESSING

- Dynamic image adjustment capable of filtering colors , edge detection , grey sequel
- These is multiple spatial filters sobel ,canny , Prewitt , Laplacian ,etc .

## OTHER EXPERIENCE

- web sites using PHP/CSS/HTML
- web sites using JEE
- weak AI project developed with java , like cubes game and X/O game .
- desktop project with java which use lot of XML technologies
- Mobile project in java with android studio

## HONORS/AWARDS

2024 Computer Engineering

2022 JNJD Certificate, during the National Young Developers Days

2022 MNPC22 de MNPC Moroccan National Programming Contest

2021 The 2021 ICPC Moroccan Collegiate Programming Contest

2019 Graduated baccalaureate mathematics sciences B option French

2018 Injaz prize of innovation