



# Mahmoud El Mehdi El Khadiri

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## WORK EXPERIENCE

01/07/2022 – 31/08/2022 Kenitra, Morocco

### WEB ENGINEER MAST-ENGINEERING

During my internship, I have developed a web application using Python/Flask as back-end and HTML-CSS-Javascript as Front-end.  
Right after completing the web application task, I developed a mobile application using Android Studio and the Java programming language.  
I also made a new logo for the company using Inkscape... it was fun!

## EDUCATION AND TRAINING

01/09/2021 – CURRENT Morocco

### MODELING AND COMPUTER SCIENCE ENGINEERING (MODELING = STATISTICAL AND FINANCIAL MATHEMATICS/PHYSICS ...FOURTH YEAR OF ENGINEERING STUDIES) Ecole Mohammadia d'ingénieurs

**Address** Morocco | **Website** <https://www.emi.ac.ma/>

01/09/2019 – 01/09/2021 Morocco

### PREPARATORY CLASSES MPSI/MP Lycée Mohamed VI Kenitra

**Address** Morocco

01/09/2018 – 01/09/2019 Morocco

### HIGH SCHOOL AND SCIENCE MATH B BACALAUREAT WITH A "VERY GOOD" MENTION Groupe Pédagogique Alpha

**Address** Morocco

## LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>FRENCH-ENGLISH ( I HAVE A FRENCH DELF B2 CERTIFICAT AND AN ENGLISH TOEIC CERTIFICAT)</b>	B2	B2	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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Python | java | C# | C | C++ | HTML | CSS | Javascript | Python/Flask | Full-stack web developement | Android studio | Mobile application developement | Matlab | R (statistical programming language) | Linux | Visual studio code | Visual studio | Object oriented programming | SQL | Microsoft: Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Access | Solidworks | Autodesk Robot structural analysis | Autodesk Autocad | Machine learning | NVidia CUDA

## ● ADDITIONAL INFORMATION

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### PROJECTS

07/01/2021 – 01/02/2021

**Developed a Python function that if given two co-prime numbers , returns the Bezout coefficients of them respectively.** I developed this function based of the euclid and Bezout algorithm. I presented it in front of a jury and it was accepted as a realistic solution.

01/07/2022 – 01/08/2022

**Developed and conceived a Web Application .** It was my most general internship task , I did it all alone. Thanks to it ,i learned alot of software engineering concepts!

**Link** <https://dev.mast.engineering/>

10/12/2022 – 31/12/2022

**Developed Numerous Matlab functions (in a total of 8 matlab files) that enable us to execute the finite elements method in 2 dimensions for two cases: Laplace equation and its corresponding with second term .** It was a school project that demanded alot of focus and efforts , it made me really proud of myself for accomplishing it.

01/10/2023 – 01/10/2023

**Machine learning Time series model predicting the weather in USA.** I did it using the statistical Programming language R.

01/01/2023 – 10/01/2023

**Developed three python functions that , if combined , determined the optimal stock command and security for an enterprise . As well as an other python function that plots the Gantt diagram** It was also a school Project.