

ZAKARIAE HAMEDOUN

Recent graduate in smart systems engineering looking for a permanent position in web development full stack



Fez, Morocco



Zakariae Hamedoun



Portfolio website



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Zakaria-pro

EDUCATION

2019 – 2022

Embedded and Mobile Systems Engineering

Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes, Rabat.

2017 – 2019

Preparatory Classes in Technology and Industrial Sciences

Omar Ibn Abdelaziz, Oujda.

EXPERIENCE

March-Aug 2022
Graduation Internship

Software Engineer in 3D Graphics

1000Kelvin GmbH, Berlin (Remote)

Design and implementation of a GPU web-based application for the simulation of 3D printing process.

ReactJS / BabylonJS / Vtk.js / MongoDB / C++ / CUDA / Scrum

July-August 2021
2nd year internship

Research & Development Engineer

MAScIR Foundation, Rabat

Design and implementation of a desktop application for the extraction of 3D vehicle characteristics using a stereo vision camera.

OpenCV / C++ / Python / Google Apps Script

August 2020
1st year internship

Web Developer

University Hospital Center Hassan II, Fes

Implementation of a web application for monitoring the status of CHU's servers.

Django / Python / SQLite / Celery Beat

SIDE PROJECTS

In progress
[Lien Github](#)

DarLkhir: Mobile application for volunteering

Work performed : Design and implementation of a mobile application that will serve as a bridge between NGOs and volunteers. This bridge is what we called DarLkhir.

Technologies : React Native / Spring / Angular / Vue.js / Scrum

January-Feb 2022
[Lien Github](#)

Pothole Locator System

Work performed : Design and implementation of a pothole localization and visualization system.

Technologies : Leaflet / NodeJS / NeDB / Python / Raspberry PI

April 2021
[Lien Github](#)

Obstacle Avoidance System

Work performed : Development of Robot Car that uses Reinforcement Machine Learning to avoid obstacles (1st prize of the CELEC competition in Artificial Intelligence).

Technologies : Arduino / Q Learning Algorithm / TinyML

March-July 2020
[Lien Kaggle](#)

Cracks Detector in Train Rails

Work performed : Implementation of a Machine Learning Binary Classifier to monitor the condition of rails in order to automate their maintenance.

Technologies : Python / Keras / Pandas / Kaggle

LANGUAGES

Arabic - Native
English - Professional
French - Professional
Germany - Elementary

HOBBIES

Football
Design
Problem Solving

VOLUNTEERING

Project Manager of DarLkhir at CINDH volunteering club.