

Anouar Nabil

Computer Science Engineer

EMBEDDED SYSTEMS AND MOBILE
ENGINEERING



nabil.anouar@um5s.net.ma ✉

+212771610012 📞

Rabat, Morocco 📍

xing.com/profile/Anouar_Nabil/ 🌐

linkedin.com/in/anouar-nabil in

github.com/nabil97-anouar 🐙

EDUCATION

Engineering student

Third year in engineering cycle at National School of Computer Science and System Analysis (ENSIAS)

09/2017 – Present

Rabat, Morocco

Preparatory Classes

Technology and Industrial Sciences

09/2015 – 06/2018

Oujda, Morocco

Baccalaureate of Electric Science

Technical High School

09/2014 – 07/2015

Fes, Morocco

PROFESSIONAL EXPERIENCE

Internship: Self-Driving Car

IntellCap

07/2019 – 09/2019

Rabat, Morocco

Technologies : Computer Vision, Deep Learning, Reinforcement Learning, Sensor Fusion, Localization, Planning, Control, System Integration.

PREREQUISITE KNOWLEDGE :

- Python (Classes, Data structures).
- C++ (Classes, Memory management, Linking).
- Linear Algebra (Matrices, Vectors, Matrix multiplication).
- Calculus (Derivatives, Integrals).
- Statistics (Mean, Standard deviation, Gaussian distribution).
- Physics (Forces), Robotics (Sensors, Implementation).

International Competition Solar Decathlon Africa 2019: Realization of a Smart Home Prototype.

ENSIAS

09/2018 – 06/2019

Rabat, Morocco

Tools : Arduino Wemos, Node Mcu, Sensors, Raspberry pi.

Achievement :

- Smart Home : OCULUS.

Internship: international Competition Solar Decathlon Africa 2019: Networks of Comfort Monitoring Sensors.

FREERAY

06/2018 – 09/2018

Rabat, Morocco

Tools : Arduino ESP8266, DHT11, LDR, Blynk, Cayenne.

Achievement :

- Sensor Networks, Local Server (Raspberry pi), Energy Monitoring, Cloud Computing & Mobile App.

SKILLS

Programming language: C, Java, Shell (Unix), Assembly, C++, Matlab, Python, PL/SQL, ANDROID, Embedded C, VHDL.



Web Technologies : JavaScript, JSON, NodeJS, React JS, REST, SOAP.



Robotics : RTOS, ROS, ARDUINO, RaspberryPi, ARM, ATMEGA, FPGA Embedded Linux.



AI / Machine Learning/Big Data : Tensorflow, OpenCV, Colab, Anaconda, Keras.



System Engineering: Eng & Design, Formal Methods, HPC.



Modelisation languages : UML, Merise.



Network : Network Protocols (TCP/IP, OSI), (Client/ Server) Architecture, Web services, Routing.



IOT: MQTT, Zigbee, 6lowPan, Wifi, NFC, Bluetooth low energy, Cloud Computing.



ACADEMIC PROJECTS

Senior Project (02/2019 – 04/2019)

- Development and realization of a system for face recognition .
Tools : Colab, Keras, OpenCv, Python, LBP, KNN.

Senior Project (01/2018 – 04/2018)

- Development and realization of a system for motion recognition .
Tools : Raspberry pi 3, TensorFlow, OpenCv, Python, Camera.

Junior Project (01/2018 – 05/2018)

- Realisation of a compiler SPARK ADA 2014. Tools : Flex, Bison.

CERTIFICATES

Introduction to the Internet of Things and Embedded Systems. (03/2018 – 04/2018)

coursera.org/account/accomplishments/certificate/CHEUYQBNUASS

Machine Learning with Python (08/2019 – 09/2019)

courses.cognitiveclass.ai/certificates/fb62400c4e124f97bd3b47bd4bc32a65

LANGUAGES

English ● ● ● ● ○

French ● ● ● ● ○

Arabic ● ● ● ● ●