



Safouene Chemkhi

IT and telecommunication engineer (New Graduate)



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SKILLS

Programming languages: C, C ++, Java, JS, python

Machine Learning

IoT

Web Development: NodeJs, Angular, ReactJs, Cakephp, ExpressJs, Redux

Mobile dev. : Java, Ionic

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

Frensh

Full Professional Proficiency

German

Limited Working Proficiency

Japanese

Elementary Proficiency

INTERESTS

TOEIC: English proficiency test, score 825 - B2

GOETHE-ZERTIFIKAT A2: German proficiency test.

LinkedIn Certificate of Completion: React.js Essential Training

LinkedIn Certificate of Completion: Building RESTful APIs with Flask

LinkedIn Certificate of Completion: Python Essential Training

LinkedIn Certificate of Completion: AWS Certified Solutions Architect - Associate (1,2,3,4)

EDUCATION

Telecommunication systems & information technology

Higher School of Communications - SUP'COM (Tunis, Tunisia)

08/2016 – 07/2019

Engineering degree in Telecommunication

Preparatory Studies

Preparatory Institute for Engineering Studies of Tunis (Tunis, Tunisia)

08/2014 – 06/2016

Top 5% in the entrance examination for engineering schools

Secondary Education

Pioneer School of Ariana (Tunis, Tunisia)

12/2010 – 06/2014

Scientific Baccalaureate earned with highest honors 17.37 / 20.

Top 6% in the National Baccalaureate Exam

WORK EXPERIENCE

Intern - Graduation project

LIO-CrCHUM

02/2019 – 06/2019

Montréal, Canada

Tasks

- As part of a collaboration with the Imaging and Orthopedics Research Laboratory (LIO -ETS) in Canada, we aim to recognize human activities (walk, run, sit, fall...) by analysis of physiological and kinematic signals through a deep learning approach. The recognition system will be used in an hybrid mobile application (using web technologies) that will create a daily report of the realized activities.

Technologies: Python, Keras, Sklearn, Flask, Matlab, Git, Ionic, Cordova, Angular 7, OAuth2.0, Git, Sourcetree, UML

Intern - web developer

lpnets

06/2018 – 08/2018

Tunis, Tunisia

Tasks

- Design a web-application that helps consumers to trace the path of a product from its production until the sale and secondly to verify that the product comes from a certified source using the blockchain technology.

Technologies: Angular 6, web3js, Firebase, blockchain, Ethereum, Git, Ganache, UML

PERSONAL PROJECTS

IoT Project (09/2018 – 01/2019)

- Design a smart lock connected based on RFID sensors and face recognition and develop a mobile application for communication with the lock.
- Technologies: Raspberry Pi, Raspbian, Python (machine Learning OpenCV), NFC/RFID, Raspberry Pi camera

Web development (09/2018 – 01/2019)

- Design a hybrid mobile application for communication with intelligent tissue (equipped with physiological and kinetic sensors) and for recognition of human activity (running, walking, falling ...) in real time.
- Technologies: Ionic / Angular / NodeJs / Expressjs / socket.io / Python / Git / UML

GIS project (09/2018 – 12/2018)

- Design a web application for the visualisation of the geodistribution of clients on map.
- Technologies: HTML / CSS / Javascript / Geoserver / OpenLayers

Elastic-App – Web Application (09/2018 – 12/2018)

- Development of an image search engine using EHD (Edge histogram descriptor).
- Technologies: Angular / NodeJs / Elastic Search / Python

Mobile app development (09/2017 – 01/2018)

- Create an Android application that helps Alzheimers and their families in their daily lives (follow-up, pill reminder, appointment reminder...).
- Technologies: Java / Android studio / Google maps API / UML