Meriam DHOUIBI

Date of Birth: 06-07-1989

Nationality: Tunisian

PhD student in Electrical Engineering

CONTACT

+216 23 391 920

Advanced Systems Lab (LSA), Tunisia Polytechnic School, University of Carthage, BP 743 - 2078 - La Marsa, Tunisia.

meridhouibi@gmail.com

LANGUAGES

Arabic
Native

French
Fluent

English
Fluent

EDUCATION

Since December 2017	PhD student at the National Engineering School of Carthage (ENICarthage) in the Advanced Systems Lab (LSA), Tunisia Polytechnic School (EPT). University of Carthage. Thesis title: "Architectural study of deep neural networks implementation".
2015-2017	Research master's degree in Biophysical, Radiophysics and Medical Imaging at the higher institute of Medical Technologies of Tunis (ISTMT), University of Tunis El Manar.
2012-2014	Master degree in Embedded Electronic System and Medical Equipment at the higher institute of Medical Technologies of Tunis (ISTMT), University of Tunis El Manar.
2008-2012	Bachelor degree in electronic systems at the higher institute of Medical Technologies of Tunis (ISTMT), University of Tunis El Manar.
2008	Baccalauréat in Mathematics at Grombalia Secondary School.

PROFESSIONAL EXPERIENCE

01 September 2018 31 December 2018	Teaching Assistant, Dept. Industrial Information Technology, Higher Institute of Information and Communication Technologies (ISTIC).
01 January 2016 30 November 2017	Research master's Graduation project at the Research Laboratory in Automatic Control LA.R.A at the National Engineering School of Tunis ENIT, University of Tunis El Manar, Tunisia Dissertation title: "Neural Network Modeling and Implementation of a Handwriting System on the Xilinx ZC702 Embedded Board".
01 September 2014 01 September 2015	Project Manager at the NEXTGEN CORP Projects: Smart Thermostat, Smart Pulse Oximeter, Alcohol Meter.
01 January 2014 30 June 2014	Master's Senior year project at the company NEXTGEN CORP Mission: build and develop a system of remote assistance and medical supervision connected with a web platform (SAMED).
01 January 2012 30 June 2012	Bachelor's Graduation Project (student intern) Mission: design and build an ultrasound measuring system of a liquid level.
01 July 2011 30 July 2011	Internship in the Technical Service (biomedical maintenance) at the Military Hospital of Tunis.
24 May 2010 24 June 2010	Advanced course to benefit students in the sector: Electronic Systems in the ENT-Hospital Charles Nicolle Service.

WORKSHOPS

June (25 till 29) 2018	Participation at the Data Science Summer School held in Palaiseau, France.
March (28 till 30) 2018	Participation in the international workshop "Deep Training in Deep Learning".
April (13 till 16) 2015	TELEMEDECINE training.
December (23 till 25) 2013	Embedded Linux Development training.

PUBLICATIONS

Neural Network Modeling and Implementation of a Handwriting System
Meriam DHOUIBI, Hedi ABDELKRIM and Afef ABDELKRIM
In 2nd International Conference on Advanced Systems and Electrical Technologies (IC_ASET'2018), pages 144-150, Hammamet, Tunisia, 22-25 March 2018.

ACADEMIC ACTIVITIES

28 May 2015	**Examining member of a graduation project jury** Design of a Real-Time Refrigerator Temperature Monitoring System for Blood Bank.
January 2015 June 2015	**Senior year project supervisor** - Design and implementation of a pulse oximeter connected to a Smartphone via USB. - Design and implementation of a remote control system of motors.

EXTRA-PROFESSIONAL ACTIVITIES

July 28 till August 03, 2018	Trainer at the first Scientific and Technological Immersion Camp on "The Internet of Things" dedicated to high school students aged 15-18, held at the IMEF Korba
September 2017 April 2018	Participation in the organization of the Tunisia e-health challenge
October 2016 April 2017	Participation in the Tunisia e-health challenge Project: Baby Monitoring Device « Stork »
January 2016 April 2016	Participation in NI GSD Musabaka Project: Design of a Therapeutic Sleep Monitoring Device NI myRIO based
May 2015 December 2015	Incubation at ESPRIT INCUBATEUR Project: «BeThree: Be Protected, Be Rescued, Be Safe » Design of a smart band to detect syncope, loss of consciousness, and call for immediate help.
May (16 till 20) 2015	Participation in OASIS500 BOOTCAMP
October (12 till 15) 2014	Participation in the 3rd DAAD (Deutsher Akademischer Austausch Dienst) GASC (German-Arab Startup Competition)
March 2013	Certification of CTAC (Canadian Academy for Training & Consulting) in Job Searching, Leadership Skills, Self Planning & Creation of Small Businesses.

AWARDS

Project **SAMED**	- The second prize on the German-Arab Startup Competition (GASC 2014). - The first prize at the regional NATIONAL INNOVATION CONTEST 2014 in Tunisia.

COMPUTER SKILLS

Operating systems	GNU/Linux, Embedded Linux, Microsoft Windows
Programming languages	Pascal, VB, C, C++, Java, Assembly, VHDL, Embedded Linux, labview, Python.
Internet	XML, HTML, Javascript, PHP.
Database	MySQL, SQL.
Software	Solid Works, Matlab, Mplab, ISIS, PCW, XILINX ISE, Eagle, Vivado, SDK, CodeBlocks, Anaconda, Adobe Illustrator, Adobe Photoshop.