

KHALIL BOUKTHIR

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PROFESSIONAL EXPERIENCE

Head of E-administration Unit

ENIS, National School of Engineers

📅 April 2017 - Present

- E-administration Service Management based on ITIL best practices.
- Prepare technical document (i.e. requirements documents, High-Level Designs (HLD) and Low-Level Designs (LLD)).
- Secure and facilitate access to information system data.
- Administered and supported Office 365 and Google Apps.
- Designed and implemented REST APIs with api-platform.
- Developed web applications with Symfony, Laravel, Bootstrap, HTML5, DataTables and Mysql.

Technical Manager

ENIS, National School of Engineers (CITtech-ENIS)

📅 March 2013 - April 2017

- Technical manager of the ENIS Innovation and Technology Transfer Center (CITtech-ENIS).
- Developed web applications with Symfony and jQuery.
- Maintained web applications and fixed bugs.

Full-stack Web Developer - Symfony

ABH-consulting

📅 August 2012 - March 2013

- Developed a web application with Symfony.
- Maintained web applications and fixed bugs.

Full-stack Web Developer - CMS

Salamambo logistics

📅 September 2011 - August 2012

- Developed E-learning application with Moodle.
- Developed website with CMS frameworks (Joomla, WordPress).

EDUCATION

PhD in computer science

ENIS, National Engineering School of Sfax

📅 May 2019 - July 2023

Engineering degree in computer science

FST, Faculty of Sciences of Tunis

📅 September 2008 - July 2011

Preparatory studies for engineering studies

IPEIM, Preparatory Institute for Engineering Studies - Monastir

📅 September 2005 - July 2008

Baccalaureate

20 March, High school - Sfax

📅 June 2005

TRAININGS

Preparing for the Project Management Professional (PMP) Certification

PFI consulting

Agile project management using scrum

LE PLUS consulting

Applied Scrum for Agile Project Management

University System of Maryland

Risk management and governance

GES La FIDUCIAIRE

Managerial Skills And Decision Making

ATSG

Initiation and implementation of the FW JUNIPER - pfSense kernel

GLINSE

Employability skills for innovation

Fraunhofer-Gesellschaft

Python Basics for Data Science

Data Scientist IBM

STRENGTHS

• Main Development Languages

PHP Python C/C++ JAVA

MySQL PL/SQL SQL

• Development WEB

PHP Javascript HTML / CSS XML

Ajax GIT

• Database Management Systems

PostgreSQL MySQL NoSQL

Oracle SQL Server Windows Server

• Methodologies

SCRUM UML Merise

• Development Frameworks

Symfony Laravel VueJS Moodle

JQuery Dynacase Bootstrap

TensorFlow Keras

PROJECTS

Purchasing request management system

National Engineering School of Sfax

📅 April 2017 - June 2017

- Description: Application that helps the Purchasing department to collect purchase requisitions from different internal structure, manage the comparative tables of the price offers of each consultation and generate the lists of supplies for each provider.
- Technologies: Laravel, Bootstrap, HTML5, DataTables and Mysql.

Electronic document management system

National Engineering School of Sfax

📅 June 2016 - August 2016

- Description: Electronic document management application that helps the HR department manage teacher and administrative documents.
- Technologies: Symfony, Bootstrap, DataTables and Mysql.

Design and development of the CITtech website

CITtech, National Engineering School of Sfax

📅 January 2014 - March 2014

- Description: CITtech positions itself as an interface between ENIS and the economic sector. It offers a platform where the main partners have the material and logistical means necessary for the establishment of exchanges fruitful for development and innovation.
- Technologies: PHP, Symfony, jQuery and Mysql.

RESEARCH

Semi-supervised Learning Towards Arabic Text Annotation in Natural Scene Images using Genetic Algorithm

REsearch Groups in Intelligent Machines (REGIM Lab), University of Sfax, National Engineering School of Sfax

- PhD student.
- Description: A novel approach is presented to reduced annotation based on Deep Active Learning and Reinforcement Learning for Annotating Arabic Text in Natural Scene Images.
- Technologies: Deep Active Learning, Reinforcement Learning, CNN, Python, Keras, Google APIs, Machine learning.

Selected Publications

- Khalil Boukthir, Abdulrahman M.Qahtani, Omar Almutiry, Habib Dhahri, Adel M.Alim, "Reduced annotation based on deep active learning for arabic text detection in natural scene images", Pattern Recognition Letters, Volume 157, 2022, Pages 42-48.

Papers submitted

- Khalil Boukthir, Lobna Haddad, Tarek M. Hamdani, Adel M. Alimi, "A Reinforcement Learning Framework Based on Genetic Algorithm for Annotating Arabic Text in Natural Scene Images", International Journal on Document Analysis and Recognition (IJ DAR).
- Ridha Zaghoud, Khalil Boukthir, Tarek M. Hamdani, Adel M. Alimi, "Deep Active Learning Approach for Traffic Sign and Panel Guide Arabic-Latin Text Content Annotation in Natural Scene Images", Pattern Recognition Letters.

SOFTSKILLS

Learning Potential

Team Work

Organization

Flexibility

Professionalism

Responsibility

MultiTasking

Work Under Pressure

LANGUAGES

Arabic



French



English

