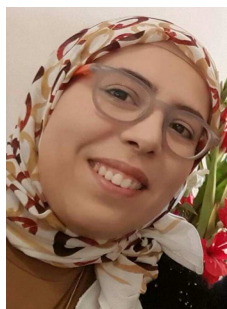## PERSONAL INFORMATION

Mariem MEFTEH

Address Essahafa, Riyadh, Saudi Arabia
Phone number (+966) 53 816 5589 / (+216) 23 67 22 44
Mail mariem.mefteh.ch@gmail.com
Skype mefmariem
Date of birth 03/05/1986

Nationality Tunisian
Resident at Saudi Arabia

Marital status Married

Sex Female

INTERESTED IN

Programming languages
Natural Language Processing
Model Driven Engineering
Information Extraction/Text-mining
Reverse engineering
Software reuse
Information retrieval
Graphic and game design
Bioinformatics

EDUCATION AND TRAINING

(15 January 2018) ### Doctorate in Information Systems Engineering
(Report and presentation in English)

Honor: Very honorable with felicitations of the Jury
National Engineering School of Sfax (Tunisia, http://www.enis.rnu.tn)

Thesis title : *ExtraPL: An approach for the extraction and the evaluation of software product lines.*
Keywords: Software product lines; Reuse; UML diagrams; Programming language; Automatic programming; Natural language processing; Multilingual requirements; Semantics; Source code.

Supervisors : Professor Hanêne Ben-Abdallah (King Abdulaziz University, Jeddah, KSA , hbenabdallah@kau.edu.sa)
Dr. Nadia Bouassida (Higher Institute of Computer Science and Multimedia of Sfax, Tunisia, nadbouassida@gmail.com)

(December 2011) ### Master degree in computer science and multimedia
(Report and presentation in English)
Honor: Very good
Higher Institute of Computer Science and Multimedia of Sfax (Tunisia, www.isimsf.rnu.tn)
& Technischen Universität Darmstadt (Germany, www.tu-darmstadt.de)

Thesis title : *Ara_pegasus : a new Framework for programming using the Arabic natural language*
Keywords: Programming language; Automatic programming; Natural language processing; Multilingual requirements; Semantics.

Supervisors : Professor Abdelmajid Ben Hamadou
Dr. Roman Knöll

(July 2009) ### Bachelor in computer science and multimedia
Honor: Good
Higher Institute of Computer Science and Multimedia of Sfax (Tunisia, www.isimsf.rnu.tn)

Senior project : *Statistic language modeling applied on the Qur'anic corpus*

Supervisor : Dr. Salma Jammousi

(June 2005) ### Baccalaureate degree
Honor: Good
School of the Laureates of Sfax, Tunisia

PUBLICATIONS

International Journals

1. Mariem Mefteh, Nadia Bouassida, and Hanêne Ben-Abdallah. "*Feature model extraction from documented UML use case diagrams*". Ada User Journal, 35(2) :108-117, 2014. **(Indexed ISI)**

2. Mariem Mefteh, Nadia Bouassida, and Hanêne Ben-Abdallah. "*Mining feature models from functional requirements*". Computer journal, 59(7) :1-21, 2016. **(ISI, IF=0.711)**

3. Mariem Mefteh, Nadia Bouassida, and Hanêne Ben-Abdallah. "*Towards Naturalistic Programming: Mapping Requirements to XML Code Based on Patterns*". Science of Computer Programming, in print, April 2018 **(ISI, IF=1.064)**.

International Conferences

1. Mariem Mefteh, Abdelmajid Ben Hamadou, and Roman Knöll. "*Ara-pegasus : a new framework for programming using the arabic natural language*". In Proceedings of International Conference on Computing and Information Technology, March, pages 468-473. College of Computer Science Engineering, Taibah University, 2012.

2. Mariem Mefteh, Nadia Bouassida, and Hanêne Ben-Abdallah. "*Implementation and evaluation of an approach for extracting feature models from documented UML use case diagrams*". In Proceedings of the 30th Annual ACM Symposium on Applied Computing, SAC 15, pages 1602-1609, New York, NY, USA, 2015. ACM. **(Ranked B)**

3. Mariem Mefteh, Nadia Bouassida, and Hanêne Ben-Abdallah. "*From Language-Independent Requirements to Code Based on a Semantic Analysis*". International Conference on Software Engineering Advances (ICSEA'17), pages 145-156, Greece, IARIA XPS Press, 2017. **(Ranked C)**

WORK EXPERIENCE

(2012 – 2015)

University lecturer

Higher Institute of Computer Science and multimedia of Sfax, Tunisia (www.isimsf.rnu.tn)

Missions:

1. Teaching UML; JAVA; XML; PHP4; PHP5; MySQL, HTML; CSS; Image, sound and video processing.
2. Supervising senior projects for bachelor and engineering graduation, such as:
   . Human Resource Management (using C# and ASP.NET)
   . Project Management and workflow (using C# and ASP.NET)
   . Parking management via android application
   . Stock management via android application
   . Price comparator website (using PHP5, JQuery, CSS, MySQL)

(2010 – 2011)

Designer / Developer

Brain Pro (Tunisia, www.brain-pro.com)

Missions:

1. Creation of web applications using PHP5, HTML, JavaScript, JQuery, UML, MySQL, etc. Designing (logos, graphics, etc.) using Adobe Photoshop and Adobe Illustrator

2. Creation of animations using Adobe Flash and ActionScript Sound and video processing

RESEARCH VISITS

Currently ICSEA technical committee member
International Conference on Software Engineering Advances, October 2018 (Ranked C)
October 2017 Session chair in ICSEA conference, 2017 (Ranked C)
March 2016 Participation within JEDS-EGI days (Journées de l'école doctorale de Sfax en économie, gestion et informatique), Sousse, Tunisia 2016.
   o   Making a presentation within the **English** language.
   o   Getting the **award for the best presentation** (among nearly 30 presenters).
September 2010 Visit to Germany in the context of the DAAD Germany Scholarship
December 2010 Visit to Marrakech in the context of the DAAD Germany Scholarship

PERSONAL SKILLS

Mother tongue	Arabic		

Other languages	UNDERSTANDING	SPEAKING	WRITING
French	Very good	Very good	Very good
English	Very good	Very good	Very good
German	Academic	Academic	Academic

Communication skills

Good communication skills gained through my experience as a university lecturer and a developer of many projects belonging to clients from different nationalities.

Developing and presenting my master project and PhD thesis in English, publishing and presenting papers in well ranked conferences and journals allowed me to improve my skills in writing and speaking in English.

Elaborating my master in cooperation with a German university improved my understanding and speaking of the German language.

Computer science skills

OS: Linux and Windows.
Database management systems: Oracle, MYSQL
Development languages and web technologies: C, Java, PHP 5, CSS, JQuery, AJAX, JavaScript, XML, JSP, Servlet, JavaBean, Pascal
Modeling: UML, Merise
Multimedia : Adobe products(Flash, Photoshop, Illustrator, Premiere), Cool Edit, Sound Forge Musical computing

REFERENCES

Professor Hanêne Ben-Abdallah
King Abdulaziz University, Jeddah, KSA
Mail: hbenabdallah@kau.edu.sa

Dr. Nadia Bouassida
Higher Institute of Computer Science and Multimedia of Sfax, Tunisia
Mail: nadbouassida@gmail.com

Professor Abdelmajid Ben Hamadou
Higher Institute of Computer Science and Multimedia of Sfax, Tunisia
Mail: abdelmajid.benhamadou@gmail.com
        abdelmajid.benhamadou@isimsf.rnu.tn