

# DAHA Fatima Zohra

Ph.D. Student at University of Houston

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## Experience

### **Sponsoring committee member at ACM - MCPC**

février 2014 - septembre 2016 (2 ans 8 mois)

The Moroccan Collegiate Programming Contest (MCPC) is a qualifying round for the ACM International Collegiate Programming Contest (ICPC). MCPC is organized in the same spirit and is governed by all applicable rules of the ICPC. Winners of an MCPC contest qualify to the ACPC Finals.

### **Graduation Project - Wide area surveillance at University of Houston**

février 2016 - juin 2016 (5 mois)

### **Internship - Understanding crowd's behavior at University of Houston**

juillet 2015 - septembre 2015 (3 mois)

- Mission: Understand pedestrian behavior and classify the crowd's action.

-Tools: C++, OpenCV

### **Internship - Managing HelpDesk service at Marsa Maroc**

juillet 2014 - août 2014 (2 mois)

-Mission : Install and parameter GLPI (Getionnaire Libre de Parc Informatique) depending on the needs of MarsaMaroc's employees to manage especially the HelpDesk service.

-Tools : GLPI, PHP, MySQL, Merise.

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## Projects

### **Data Mining Project**

2016 to Present

Membres :DAHA Fatima Zohra

-Mission : Analyzing the factors associated with the readmission of patients within hospitals

-Tools : SPSS Modeler

### **Remote Access Security**

2015 to Present

Membres :DAHA Fatima Zohra

-Mission : Implement a Public Key Infrastructure (PKI) to secure remote access using SmartCards.

-Tools : OpenVPN, OpenSC, Java.

## **Compilation Project**

2015 to Present

Membres :DAHA Fatima Zohra

-Mission : Implement an Interpreter of HBase.

Lexical analyser

Syntactical analyser

Semantical analyser

Virtual machine

Interpreter

## **Opinion Mining Project**

2015 to Present

Membres :DAHA Fatima Zohra

-Mission : Analyzing customer's opinions about a specific product.

-Tools : LISP

## **Entrepreneurship project**

2015 to Present

Membres :DAHA Fatima Zohra

Team work on business plan and business model of “AT-tic”.

## **System Information**

2015 to Present

Membres :DAHA Fatima Zohra

-Mission : Implement an application which manage the information system of a TramWay society.

-Tools : Merise, Oracle 10g, Oracle Forms, Pl/Sql, Windows Server.

## **Topics and Reports Manager**

2014 to Present

Membres :DAHA Fatima Zohra

-Mission: Develop and integrate a web application to manage projects topics and ENSIAS's students reports.

This application allows the administration and professors to manage internships and school projects for students in the first, second and third year at ENSIAS.

-Tools: HTML5, PHP4, CSS3, JavaScript.

## **Syndicate Manager**

2014 to Present

Membres :DAHA Fatima Zohra

-Mission : Develop an application to manage syndicate of a building with an attractive interface. This application allows the responsible to verify who pays his dues.

-Tools : C, GTK

## Skills & Expertise

**HTML**

**PHP**

**JavaScript**

**C**

**Oracle**

**MySQL**

**PL/SQL**

**HBase**

**Oracle Forms**

**Business Intelligence**

**Data Mining**

**SPSS Modeler**

**Microsoft BI Suite**

**Entrepreneuriat**

**GLPI**

**UML**

**Merise**

**Linux**

**Scheme**

**CSS**

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## Languages

**Francais**

(Capacité professionnelle complète)

**Arabe**

(Bilingue ou langue natale)

**Anglais**

(Compétence professionnelle)

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## Education

**University of Houston**

Doctor of Philosophy (Ph.D.) - Computer Science, 2016

**Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes - ENSIAS**

Génie Informatique, 2013 - 2016

Activities and Societies: Member of ACM-MCPC's sponsoring committee (Association for Computing Machinery - Moroccan Collegiate Programming Contest). Member of the ICPC 2015 organizing team (International Collegiate Programming Contest). Member of the Forum GENI Entreprises conference cell.

**Preparatory classes - Lycée Mohamed V - Casablanca**

Mathematics and physics - MPSI/MP, 2011 - 2013

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## Interests

Swimming, travelling, reading.

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## Honors and Awards

**Entrepreneurship project**

ENSIAS

2015

2nd Prize, best entrepreneurial project at ENSIAS.

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[Contact DAHA on LinkedIn](#)