

# Curriculum Vitae



## Personal information

Family Name: Khalilia

Name: Hadi Mahmoud Yousef

Date of birth: 23 July 1986

Place of birth: Jenin, Palestine.

Home address: Jaba, Jenin, Palestine.

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## Education

- **M.S.**  
Computer Science, 2014/2015  
Al-Quds University, Jerusalem, Palestine.  
GPA=3.52  
**Thesis: "Performance Evaluation of Message Passing vs. Multithreading Parallel Programming Paradigms on Multi-core Systems"**
- **B.S.**  
Computer Science, 2007/2008  
American University, Jenin, Palestine  
GPA=3.53  
**The First Rank on Computer Science Department in 2007/2008 in BSc.**
- **High School State Exam**  
(Scientific Branch), 2003/2004  
Jaba School, Jenin, Palestine  
Grade: 94  
**The First Rank on High School State Exam (*scientific branch*) in (Jaba) 2003/2004.**

## Publications:

1. H. Khalilia, R. Jarrar, and J. Asad. Numerical Study of Motion of a Spherical Particle in a Rotating Parabola Using Lagrangian, Journal of the Serbian Society for Computational Mechanics / Vol. 12 / No. 1, 2018 / pp 44-51 , (DOI: 10.24874/jsscm.2018.12.01.04), **Published.**
2. Hadi Khalilia and Hasan Alhajhamad. Improving Primary Education Styles using Child-Computer Interaction: A Practical Framework, The Ninth International Scientific Academic Conference under the Title "Contemporary trends in social, human, and natural sciences", Turkey, ISSN 2476-017X, 17-18 July, 2018. **Published.**

3. Hadi Khalilia, Hasan Alhajhamad, and Derar Eleyan. Investigating the Usability of 3D Interactive Mobile Applications: The Dental Clinic Case, The Ninth International Scientific Academic Conference under the Title “Contemporary trends in social, human, and natural sciences”, Turkey, ISSN 2476-017X, 17-18 July, 2018. **Published.**
4. Hadi Khalilieh, Nidal Kafri and Rezek Mohammad. Performance Evaluation of Message Passing vs. Multithreading Parallel Programming Paradigms on Multi-core Systems, International Journal of New Computer Architectures and their Applications (IJNCAA) 4(2): 108-116. The Society of Digital Information and Wireless Communications, 2014 (ISSN: 2220-9085). **Published**
5. Hadi Khalilieh, Nidal Kafri and Rezek Mohammad. Evaluation of WIEN2K Performance on MPICH2 vs. MPICH1, the International Conference on Digital Information, Networking, and Wireless Communications (DINWC 2014) ISBN: 978-0-9891305-6-1 ©2014 SDIWC, VSB-Technical University of Ostrava, Czech Republic June 24-26, 2014. **Published**
6. H. Khalilia, and J. Asad. Numerical Study of The Motion of A Heavy Bead Sliding on A Rotating Wire, Journal of the Serbian Society for Computational Mechanics, **Submitted.**
7. Hussein Shannak, Hadi Khalilia, and Jihad Asad. Numerical Study of Coupled Oscillator System Using the Classical Euler- Lagrange Equations, Journal of Engineering and Technological Sciences, **Submitted.**
8. Hasan Alhajhamad, Hadi Khalilia, Interactive Competitive Pedagogy System based on Gamified Education in Arabic, International Journal of Intelligent Systems Technologies and Applications (IJISTA), **Submitted.**

### **Conferences And Workshops:**

1. The Ninth International Scientific Academic Conference under the Title “Contemporary trends in social, human, and natural sciences”, Turkey, ISSN 2476-017X, 17-18 July, 2018.
2. Repository of Data Training Workshops, ERASMUS and ROMOR Project, (Parma University, Parma, Italy, 1-12 July, 2019), (TU Wien University, Vienna, Austria, 16 - June to 4 - July, 2018), (Parma University, Parma, Italy, 6-8 Sep 2017) and (Birzeit University, Ramallah, Palestine, June 22, 2017).
3. I was a member of "ACM Competition" committee, Palestinian Technical Kadoorie University PTUK, Toulkarm, Palestine in Oct 10-12, 2017.
4. E-Learning and Educational Conference, Al Najah University, Nablus, Palestine, April 27-28, 2016.
5. International Conference on Digital Information, Networking, and Wireless Communications (DINWC 2014) ISBN: 978-0-9891305-6-1 ©2014 SDIWC, VSB-Technical University of Ostrava, Czech Republic June 24-26, 2014.

### **Research Interest:**

- Data Mining
- Machine Learning
- Big Data Simulation & Analysis.
- Software Development
- Augmented Reality
- Distributed systems

### **Councils & Committees Membership at PTUK**

1. Applied Science Faculty Council 2016/2017/2018.
2. Student Credit Fund Committee 2016/2017.
3. Media and PTUK Website Committee, 2018 - recent.

### **Administrative Positions at PTUK**

1. Head of E-Courses and E-Exams Department 2016/2017/2018.
2. Acting Head of Applied Computing Department 18/6/2019-20/8/2019.

### **Awards:**

1. Awarded **CERTIFICATE OF DISTINCTION** in recognition of the outstanding research 2019 at PTUK.
2. I have been **PROMOTED** to Lecturer at PTUK.
3. I have got a **LETTER OF APPRECIATION AND GRATITUDE** from the Minister of Higher Education in recognition of my distinguished efforts in supervising the computerized applied Comprehensive for the first time in Palestine 2018\2019.

### **Courses Taught:**

- Data Mining.
- Machine Learning.
- Algorithms and Parallel Computing
- Operating System.
- CSharp C#
- PHP.
- Data Structure
- Database
- Computer Architecture.
- Python
- Scientific Computing (Matlab)
- Computer Networks & Security
- C++ Language
- Java Language
- VB.NET Language
- ASP.NET
- Advanced Database
- Information Retrieval (IR)

## **Practice Experience:**

➤ I worked in several companies and universities as shown in **Table 1:**

<b>Table 1: Companies Names vs. Periods and Job Titles</b>			
<b>No</b>	<b>Company/University Name</b>	<b>Period</b>	<b>Job Title</b>
<b>1</b>	Palestine Technical University (PTU).	22/12/2015 – up-to-date	Lecturer and the Chairman of Computerized Courses and Examination Dept.
<b>2</b>	AlQuds Open University in Nablus.	14/06/2015 - 27/01/2016	Lecturer
<b>3</b>	Al-Rawda College	07/09/2014 - 28/05/2015	Lecturer
<b>4</b>	SmarTech Company for IT solutions.	03/02/2013 - 24/07/2014	Project Manager and Consultant
<b>5</b>	Paltel Group Company - GWMC	01/08/2008 - 17/06/2012	Head Of Information Technology Dept.

## **Professional Skills**

- 1-** Professional in Data Mining and Machine Learning Models.
- 2-** Professional in VB.NET and ASP.NET.
- 3-** Professional in database (Developer, SQL PLUS, Oracle).
- 4-** Good experience with Python, Matlab, C and C++ programming, CSharp, Java programming, MATLAB, HTML, XML, PHP and JavaScript design.
- 5-** Working under pressure and work with team spirit.
- 6-** Good Experience in Interaction with developing Computer Systems.
- 7-** Professional in IT supporting and Networks.
- 8-** Very good in computer knowledge: windows operating systems, Microsoft office (outlook, word, excel, power point and access).
- 9-** Good Experience in Teaching, special IT courses.
- 10-** Good Experience in E-Learning Moodle.

➤ I developed and supervised on number of systems and projects as shown in **Table 2:**

**Table 2: Developed Projects vs. Field Names and Programming Language**

No	Project Name	Description	Comp. Name
1	Smart Module	The project is developed for legal department of a particular companies, the basic function of Smart Module is creating contracts according to four dynamic steps (starting from the employee request, passing through the approvals of chairmen of departments, and finally is general manager approval and contract release).	SANAD, Jericho and Resources
2	Radio Module	The goal of the developed project is the live episode recording and dynamic advertisement scheduling.	Raya Radio Station
3	Lawyers	The main function of the developed project is the automation and archiving of lawyers daily works.	General
4	HR (Human Resources)	HR project manages the work human resources department.	Paltel, Bonyan
5	Internal Communication	Internal Comm. Archives and manages all communications between employees at Jaba municipality	Jabaa' Munic.
6	Inventory System	Inventory system is designed and developed for assets inventory in companies.	Paltel, Bulk and Amial
7	Al-Morshid	Al-Morshid is an educational project (portal for schools).	Al-Awael
8	AccuaDial	AccuaDial records all in/out calls of the GWMC company and it provides the HR department with several reports such as pie, graph and scheduler.	GWMC
9	Cameras	Cameras project records all photos and videos of Asasat and it provides the IT department of daily backups. The application is installed on a server with high requirements.	Asasat

➤ (Table 3): Undergraduate Projects Supervision:

<b>Table 3: Undergraduate Projects Supervision</b>			
<b>No</b>	<b>Project Name</b>	<b>Description</b>	<b>Group Members</b>
<b>1</b>	Online Community for Competitive Quizzes and E-Learning Experiments (OCQEE)	The project supports entertainment and experimental learning to achieve great profit and rapid growth of e-learning for physics, mathematics, chemistry, biology and computer. OCQEE encourage competitive spirit between users by offering variety quizzes. Any user could easily join to a quiz which has been required by quiz requester, who previously has to sign up to OCQEE. Beside the requester there are many users, each have different permissions. All have to sign up to OCQEE use all of its features and functions. Teachers are authorized to explain experiment easily, those experiments are available for student to display and play. Admins have the widest authority to control quizzes, user's accounts and experiments by adding, deleting and editing.	Isra Younes, Saja Ghannam, Shadia Jayousi and Shahed Haji
<b>2</b>	Interactive Coloring Book with AR App	The purpose of this project is to use Augmented reality (AR) applications in education fields, and help in increasing its performance to avoid it from being boring. So AR will enter the classrooms for children of 6-8 years to make the education operation more interactive and productive, this will be achieve by introducing the old methods into the new ones, so our project will use the coloring book which is the children's favorite in order to present what they colored in a 3D model with other features.	Islam Khatatbeh, Saheer Ghanem and Haneen Jayousi
<b>3</b>	AIO Tracking System (AIOTS)	AOI Tracking System is an application that tracks various drivers' locations while keeping users of interest updated with real time data. This is achieved by using a mobile application which shows drivers their routes, which paths to take and how close they are to their next destination. Organizations can oversee their drivers and communicate with them via a messaging system, likewise drivers and end-users can also communicate via these messages if the need arises. The drivers location is constantly updated by having the application send the geographical data to a database to ensure real time data, this is in order for the organizations and end users to be able to keep proper track as needed. End users need to be able to view where drivers are in order to track potential packages or perhaps a school bus for their children so they can have better control over time management.	Omar Najjar,Ahlam Odeh and Ibraheem Dababseh
<b>4</b>	Radio Management System(RMS)	The basic idea of RMS is converting the scheduling process for advertisement and employee shifts from traditional work (papers) to automated system. The main aim is to minimize the paper work of the station broadcasts as minimum as possible, if not completely, archive all related data of the station and able to retrieve it at any time we need it from desktop app, check slots and add advertisement from mobile app.	Reema Salman and Haneen Leqraine
<b>5</b>	Legal Document Management System (LDMS)	In order to achieve high performance automated system for daily works in law firms (i.e. reducing of customer communicating elapsed time) an electronic system (i.e. web application) is widely used. Obviously, Legal Document Management System (LDMS) is implemented on visual studio framework using ASP.NET programming language.	Ebaa Thabet, Amal AlNadi and Muntaha Naseef
<b>6</b>	Dynamic Scheduling Application (DSA)	DSA application gives the ability to the head of academic departments at universities in order to create a dynamic schedule each semester. Multi-platform releases of the app are available.	Mohammad Barham and Karam Horane
<b>7</b>	Gym Resources Management System	Gym Resources Management System (GRMS) is user friendly system which is designed for gym resources management and its environment control. GRMS schedules the customer times and print reports.	Sara AlGhol and Marwa Salman

## **Training Courses:**

*May 2008 – September 2008:* Training course (CCNA).

*July 2009 – Dec. 2009:* Training course (Graphic Design).

*July 2005 – September 2005:* Training course (A+).

*June 2003 – September 2003:* Training course (First Aid).

## **Languages**

- 1- Arabic (mother tongue).
- 2- English (Excellent).

## **References**

- Dr. Saed Mallak, Vice President for Academic Affairs, Palestine Technical University (PTUK), Toulkarm-Palestine, [s.mallak@ptuk.edu.ps](mailto:s.mallak@ptuk.edu.ps), mobile # 00970599672895.
- Dr. Sameer Bsharat, Dean of Applied Sciences Collage, Palestine Technical University (PTUK), [s.bsharat@ptuk.edu.ps](mailto:s.bsharat@ptuk.edu.ps), mobile # 00970597899364.
- Dr. Nidal Kafri, Head of Computer Science Master Program, Alquds (Abu Dies) University and Khadoori University, [nkafri@science.alquds.edu](mailto:nkafri@science.alquds.edu), mobile # 00970599203343.
- Dr. Raed Zaghal, Lecturer in Computer Information Technology College, Alquds (Abu Dies) University, [zaghal@science.alquds.edu](mailto:zaghal@science.alquds.edu).
- Dr. Mohammad Awad, Manager of Computer Information Technology, Arab American University, [m.awad@aauj.edu](mailto:m.awad@aauj.edu), mobile # 00970599559648.