HASSEN M.ALSAFI

IIUM Gombak
Mahallah Bilal Block E2.6
KL,Malaysia
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Personal Information

First Name Hassen
Father's Name Mohammed
Date of Birth May 25, 1987
Place of Birth Jeddah,Saudi Arabia
Nationality Eritrean
Marital Status Single

Education

2007 – now Undergraduate Student at International Islamic University Malaysia(IIUM), *Department of Computer Science*, Faculty of Information and Communication Technology(KICT).,
Current GPA:3.8.
Current CGPA:3.583
Malaysia.
Home: http://www.iium.edu.my
UNDERGRADUATE THESIS
Title *Rational Drug Design using Genetic Algorithm:Case of Malaria.*
Supervisors Professors Imad Fakhri Al-Shaikhli.
Description With the rapid development in the amount of molecular biological structures, computational molecular docking (CMD) approaches become one of the crucial tools in rational drug design (RDD). Currently, number of researchers are working in this filed to overcome the recent issues of docking by using genetic algorithm approach. Genetic Algorithm facilities the researchers and scientists in molecular docking experiments. Since conducting the experiment in the laboratory considered as time consuming and costly, the scientists determined to use the computational techniques to simulate their experiments.
2002-2005 Higher School at Quraiah School , *Department of Science*, Jeddah,Saudi Arabia,
.
GPA: 89.72 out of 100
1999-2002 Intermediate level at AlRubouh International School, *Department of Science*, Jeddah, Saudi Arabia,
.
GPA: 93.50 out of 100
1993-1999 Primary level at AlRubouh International School, *Department of Science*, Jeddah,Saudi Arabia,
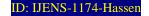.
GPA: 95.60 out of 100

Languages

Arabic Fluent (mother tongue)
English Center For Languages and Pre-University Academic Development (CELPAD),Malaysia, 23rd July 2008.

Objectives

Description I desire to gain quality experience that offer professional growth while being resourceful, innovative and flexible and allow me to take full advantage of my Bachelor degree in Information and Communication Technology specialized in Computer Science.

Standardized Tests

EPT Scores
Test Date July 23, 2008
Reading 6/9
Listening 6.5/9
Speaking 7.5/9
Writing 6/9

Scientific Activities

Nov 2011 – Now Member of the *Networking and Distributed Computing Laboratory(NDCL)* at the Dept. of Computer Science, International Islamic University Malaysia.
Homepage: http://staff.iium.edu.my/sakib/ndclab/

Sep 2011 – Now Member of the *Final Year Project Lab* at the Dept. of Computer Science, International Islamic University Malaysia.

Jan 2012 Reviewer of International Journal of Computer Science and International Security (.CSIS) on Technical Committee.

Jan 2012 Reviewer of IEEE Computer Society.

Feb 2012 Reviewer at International Confernce on Informatics,Electronics and Vision(ICIEV12).

Feb 2012 Reviewer at Global Journals INC(US)"The Peer Reserach Journals".

Feb 2012 Reviewer of IEEE EMB Transactions on Information Technology in BioMedicine on Scholarone Manuscripts.

Feb 2012 Reviewer at International Journal of Computer Science and Security(.CSS) as Reviewer Board.

Feb 2012 Reviewer of International Conference on Biomedical Engineering(ICOBE2012).

Feb2012 Reviewer of Second International Conference on Digital Information and Communication Technology and its Application (DICTAP 2012)IEEE.

Feb 2012 Technical Program Committee for PRIP2012(International Workshop on Pattern Recognition and Image Processing.

Feb 2012 Reviewer at International Confernce on Advance in Computing,Communication and Infrastrcture (ICACCI2012).

Feb 2012 Reviewer at International Journal on Technology Enhanced Learning(.TEL 2012).

Feb 2012 Reviewer at International Confernce on Informatics,Electronics and Vision(ICIEV12).

Feb 2012 Reviewer at International Confernce on Computer and Communication Engineering 2012 (ICCCE 2012).

Feb 2012 Technical Program Committee at ICCCN 2012 workshop "The fifth International Workshop on Sensor Network(SN2012).

Feb 2012 Reviewer at Network Protocol and Algorithms Journal, Macrothink Institute.

Feb 2012 Reviewer at Webology

Feb 2012 Reviewer at International Journal of Case Reports and Images (.CRI)

Feb 2012 Member in SN 2012.

Feb 2012 Member in ISSSE2012

Feb 2012 Member in PRIP 2012

Feb 2012 Reviewer at SNeS-2012

Feb 2012 TPC at ICCCN 2012 Munich, Germany July 30 till August 2 2012.

Feb 2012 Reviewer at CEEC 2012 4th Computer Science and Electronic Engineering Conference 12th -13th September 2012, University of Essex.

Feb 2012 Reviewer at International Journal of Technology Enhanced Learning (.TEL)

Feb 2012 Reviewer at ISIEA 2012 23 - 26 Sep 2012 The 2012 IEEE Symposium on Industrial Electronics Applications

Feb 2012 Reviewer at NIME 2012

Feb 2012 Particiapte as presenter on IPV6 workshop which will be held On 24 Feb 2012.

Sep-Jan 2012 Contribute and Publish two chapters from my final year project namely as Molecular Docking and In-Sillico Drug Target Design and Its Application.

Nov 2011 Bronze Model with Dr.Akram Zeki at The ICRISS 2011 confernce.Project title:A multimedia Mobile Dictionary for Hajj.

Nov 2010 Work as Research Assistent(RA)on project Title:Justification of Voice Recognition System,

Qurabic Case of Study.We Published 2 papers in this project.
Nov 2010 – now Work as Research Assistent(RA)on project Title:Mobile Hajj Dictionary for Hajj.Supervisor:Dr.Akram Zeki.
Nov 2010 – now Work as Research Assistent(RA)on project Title:The usage of Technology on Hadith. Supervisor:Dr.Akram Zeki and published one paper.
March 2012 Publication of paper titled " A Mobile Dictionary for Pilgrims" on IEEE International Conference on Information Technology and e-Services ICITeS'2012 on March 24-26 Sousse,Tunisia.
Feb 27-July 27
2012
Practical training at iperintis Sdn Bhd which is subsidiary from PETRONAS
March 2012 Attending New Horizons Webinar entitled "Introduction to Tips and Tricks for Microsoft Office 2010 Level 100."
March 2012 Publication Journal 1.Hassen Mohammed Alsafi, Wafaa Mustafa Abduallah, and Al-Sakib Khan Pathan, "IDPS: An Integrated Intrusion Handling Model for Cloud Computing Environment", International Journal of Computing and Information Technology, Volume 4,
Number 1, Jan-June 2012. [To Appear]
March 2012 Members of International Journal of Computer Science and Information Security (.CSIS) Technical Review Committee

Scientific Interests

Theoretical
Informatics
Computer Algebra, Cryptography, Algorithmic Number Theory, Computational Geometry, Numerical Analysis, Interval Arithmetic.
Computer
Systems
Dynamic Programming, Reinforcement Learning.
• Cryptography - Information Security.
• Computer Security.
• Computer Algebra.
• Computational Algebraic Geometry.
• Computer Networking and Security.
• Computational Geometry.
• Randomized Algorithms.
• Numerical Analysis.
• Genetic Algorithm.
• Drug Design and Discovery.
• Dynamic Programming.
• Computer Networking.
• Wireless sensor Network.
• Mobile Commnication.
• Computer and netwrok simulations.
• Distrbuted networks and System.

Technical Skills

• MySQl Administration:Implementation and installation, user administration, Client administration, MySQL Security, Database Administration, Upgrade and troubleshooting
• Computer Networking Environment.
• Web Designing: HTML, Java and Dreamweaver.
• Experience in managing, configuring and installing Windows 98, XP, and 7 MS SQL.
• Experience in managing, configuring and installing Linux system such as unbent 9.10
and latest version.
• Numerical Analysis.
• Knowledge in Network Services and Devices.
• Knowledge in Virtualization (VMware).
• Install new / rebuild existing servers and configure hardware, peripherals, ser- vices,
settings, directories, storage, etc. in accordance with standards and project/operational

requirements.
• Applying security patches for bugs and viruses prevention.
• Installing and configuring new hardware and software.
• Operating Systems: Win 9x, XP, VIESTA, Win 7, LINUX and MAC.
• Productivity/PC Applications: PC assembly, Hardware and Software Trouble Shooting, Networking and MS Office.
• Knowledge in TCP/IP and Routing Protocols suite and common WAN/LAN tech- nology.
• Develop, implement and maintain policies, procedures, and associated training plans for network administration, usage, and disaster recovery.

Skills

• Highly competitive, self-starter with dynamic presentation who is organized disciplined and goal oriented.
• Possess excellent communication skills demonstrated by ability to work with people of diverse backgrounds.
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• Establishing and building rapport with Clients.
• Resourceful and committed. Versatile and adaptable.
• Analytical and Statistical skills.

Working Experience

Operating Systems
All MicrosoftTM operating systems, SolarisTM Unix, MacOSTM, Linux
Programming Languages
Procedural C
Object-Oriented C++ and Java
Web HTML
Tools
Administration Apache
Data-Base Tools Oracle SQLPlusTM, Microsoft SQLServerTM
Data-Base Oracle SQLPlusTM, Microsoft SQLServerTM
Mathematical
Tools
MapleTM, MatLabTM, GNUPlot and Octave
Scientific MapleTM, MatLabTM, GNUPlot, Graphmat
Office Automation
TEX, LaTEX, Microsoft OfficeTM
Molecular Docking Programs
AutoDock Tools 4.2 , Molecular Graphics Laboratory(MGL),Open Bable 2.2.3 , Pymol , Pubchem Database and Protein Data Bank.
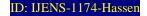
Experience

Sep-Dec 2011 **Strctured Programming Langauge Tutor**, *SPL*, KICT,IIUM sem 1.
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Sep-Dec 2011 **Database System Tutor**, *DS*, SLUE,IIUM sem 1.
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Additional Information

• Participate in Joomla Day Malaysia 2011 conducted on KLCC Twin Tower.Date 28/6/2011.
• Participate in Learn from NASA AMES scientists on Human-centered computing conducted on MIMOS and IIUM from 6 till 17 June 2011.
• Committee member on creativity workshop in the following program:Matlab,Assembly your PC,Adobe after effect,Photoshop.
• Participate on Emotional well being program 4 on 2009.
• Participate on seminar on Qiratt and Qurra'(SQ2010)by presenting paper titled as "The Implementation Of Voice Recognition System In the Quran" which was at University Sultan Zainal Abidin on 29-30 October 2010.
• Participate on IIUM Research,Invention and Innovation Exhibition 2011 by poster titles

as " Statstical Study on the Holy Quran".
• Participate on IIUM Research,Invention and Innovation Exhibition 2011 by poster titles as "Smart Mnemonic Stimulation Strategy for Arabic Vocabulary Acquisition".
• Participate on IIUM Research,Invention and Innovation Exhibition 2012 by poster titles as "A Multimedia Mobile Dictionary for Hajj".
• Attended a workshop about the **trends towards Cloud Computing** presented by Mr.RajKumar Held On KICT conference room on 18/8/2011.
• Attended a workshop about the **Cloud Computing and Green Computing** presented by Mr.RajKumar Held On KICT conference room on 18/11/2011.
• Attended a seminar about the **A Distributed Wake-up Scheduling Algorithm for Base Stations in Green Cellular Networks** presented by Assoc. Prof. Dr. Md. Abdur Razzaque - University of Dhaka, Bangladesh Held On KICT conference room on 23/02/2012.
• Attended a live webinar about Joomla Application July 2011
• Committee member on SRC Open Day 2010.
• Participate on Advanced web application security conducted on KICT on 30/5 till 2/6 of year 2010.
• Dean list student for semester 1 2008/2009.
• Dean list student for semester 2 2008/2009.
• Dean list student for semester 1 2009/2010.
• Dean list student for semester 2 2009/2010.
• Participate on F-secure program conducted on Research Management center 24-6-2011.
• Attended workshop on Microchip program conducted on KICT 2010.
• Participate on Microsoft Open Day 2008.
• Participate on Engineering Forum:Green Technology on 12/6/2011
• Participate on ASIAN LOGIC CONFERENCEconducted on 2010.
• Committe member in Alma'ay Competion under Umm'a Qura'a Society 2011.
• Committe member in Organize your mind,two days workshop on 17 and 18/10 2011
• First Prize for Final Year Project titled:Rational Drug Design using Genetic Algorithm:Case of Malaria Disease.Presented on 18/1/2012-19/1/2012 Supervisored by:Dr.Imad Fakharia.
• Participate on International Conference on Reaserach and Innovation in International and System(ICRIIS 2011) on project titled as " Mobile Dictionary Application for Hajj on 23-24/11/2011 and we got bronze medal.
• Participate on IIUM RESEARCH, INVENTION AND INNOVATION EXHIBITION(IRIIE 2012) on project titled as " Mobile Dictionary Application for Hajj on 21-22/02/2012 and we got bronze medal.

References

These persons are familiar with my professional qualifications and my character:
ASSOCC PROF AKRAM M.ZEKI
Associate Professor
Information and Communication Technology (ICT) Phone:0060196340683
Unternational Islamic Univeristy Malaysia(IIUM) Email: akramzeki[AT] yahoo.com
ASSOCC PROF Abu Osman Md Tap
Professor
Head Of Information System Department(DIT)
Information and Communication Technology (ICT)
Unternational Islamic Univeristy Malaysia(IIUM) Email: abuosman[AT] kict.iium.edu.my
Assist. Prof.Dr. Al-Sakib Khan Pathan
Associate Professor
Information and Communication Technology (ICT)
Department Of Computer Science(CS) Phone:0060163910754
Unternational Islamic Univeristy Malaysia(IIUM) Email: sakib.pathan[AT]gmail.com