

PERSONAL INFORMATION

Karam Mustafa Ignaim



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🗣 <https://www.facebook.com/pages/It-Karam-Gniemat/817779228283835>

Sex Female | Nationality Jordanian

WORK EXPERIENCE

**2021 to now**, Assistant Professor, Al-Balqa' Applied University (Jordan), [www.bau.edu.jo](http://www.bau.edu.jo)

*Teaching and Examiner of the following subjects:*

- Human Computer Interaction
- Software Engineering Principles
- Software Maintenance and Evolution
- Requirements Engineering and Formal Specifications

Teaching Assistant, Al-Balqa' Applied University (Jordan), [www.bau.edu.jo](http://www.bau.edu.jo)

- Software Engineering Principles.
- Visual Programming in Software Engineering.
- Human Computer Interaction.
- Software Engineering
- Requirements Engineering and Formal Specifications

*Teaching and Examiner of the following subjects:*

- Graphical User Interface Programming and Design.
- Formal Methods in Software Engineering.
- Formal Methods and Software Analysis
- Special Topics in Software Engineering.
- Computer skills (1).
- Computer Skills (2).
- Business Software Development.
- Programming with Java.
- Microprocessor Systems.
- Software Project Management
- Web computing
- Software Construction and Components
- Visual Programming
- Object Oriented (1)
- Principles of Visual Programming
- Human Computer Interaction
- Introduction to Software Engineering
- Software Construction and Components
- Software Project Management Lab
- Formal Methods and Software Analysis lab
- Microprocessor Systems lab.
- Computer Graphics lab

- Operating System lab
- Graphical User Interface Programming and Design lab.
- Visual Programming Lab

***Undergraduate Supervision***

I have supervised undergraduate project in fields of:

- Formal Methods.  
(Golden Z tool (GZT) for the Z Specification Language)
- Graphical User Interface Design and Programming  
(GUI Testing Tool)
- Project Management  
(Project Management Tool Kit)
- Web Design  
(Arabic Children Web Site)  
(Al-Salt City of Culture Web Site)  
(Health and Beauty care Web site)
- Safety Critical Systems  
(Fire monitoring and Control system)
- Software Project Management  
(Risk Management Tool Kit)  
(Project Monitoring and Tracing)
- Store Management Data Base System
- Hospital Management System
- Computer Remote Access System
- Fire Fighter Robotic System

Computer Lab Supervisor, Prince Abdullah Ben Ghazi Faculty of Science and Information  
Technology- Department of IT  
(Jordan), [www.bau.edu.jo](http://www.bau.edu.jo)

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**EDUCATION AND TRAINING**

**Ph.D.:** in Software Engineering,  
*University of Minho, (Braga, Portugal).*

**M.Sc.:** in Computer Science,  
*Al-Balqa' Applied University, (AL-Salt, Jordan).*

**B.Sc.:** in Information Technology,  
*Al-Balqa' Applied University, (AL-Salt, Jordan).*

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**PERSONAL SKILLS**

Communication skills	Good communication skills. <ul style="list-style-type: none"><li>• Good communication skills gained through my work with students and teaching courses, in addition to sharing in conferences in Jordan and other countries.</li></ul>
Organisational / managerial skills	Good managerial skills. <ul style="list-style-type: none"><li>• Leadership (currently responsible for 5 undergraduate projects, a team of 3 to 4 students)</li></ul>
Scholarships Award	<ul style="list-style-type: none"><li>• BAU Scholarship ( M.Sc. degree )</li><li>• Erasmus Mundus – Action2 (Ph.D. degree )</li><li>• Internship at Bosch Car Multimedia company, Braga, Portugal.</li></ul>
Computer skills	<p><b><i>Operating Systems</i></b></p> <ul style="list-style-type: none"><li>• Ms-DOS</li><li>• Windows 7</li><li>• Windows XP</li><li>• UNIX</li><li>• Linux</li></ul> <p><b><i>Programming Languages and tools</i></b></p> <ul style="list-style-type: none"><li>• Visual C++</li><li>• Visual Basic 6</li><li>• Assembly Language</li><li>• Java</li><li>• .Net Languages</li><li>• Rational Rose</li><li>• Smart Draw</li><li>• Prolog</li><li>• C#</li><li>• Microsoft Office</li><li>• LaTeX</li><li>• Beyond Compare</li><li>• Eclipse</li><li>• Smart draw</li><li>• Visio</li><li>• Android</li></ul>
Languages	<ul style="list-style-type: none"><li>• Arabic (mother language)</li><li>• English (excellent)</li><li>• Portuguese (good)</li></ul>
Driving licence	Replace with driving licence category/-ies. <ul style="list-style-type: none"><li>• B</li></ul>

## ADDITIONAL INFORMATION

## Publications

Ignaim, Karam, and João M. Fernandes. "An Industrial Case Study for Adopting Software Product Lines in Automotive Industry: An Evolution-Based Approach for Software Product Lines (EVOA-SPL)." *Proceedings of the 23rd International Systems and Software Product Line Conference-Volume B*. 2019.

Mustafa, Karam, et al. "A Systematic Reuse-Based Approach for Customized Cloned Variants." *2018 11th International Conference on the Quality of Information and Communications Technology (QUATIC)*. IEEE, 2018.

K. Ignaim and Alaa F. Sheta, Training artificial neural networks using genetic algorithms to predict the price of the general index for Amman Stock Exchange, *In the Proceedings of the Midwest Artificial Intelligence and Cognitive Science Conference, DePaul University, Chicago, IL, USA, pp. 7-13, April 2-22, 2007*.

K. Ignaim and Alaa F. Sheta, Solving Capelin Time Series Ecosystem Problem Using Artificial Hybrid Neural Networks- Genetic Algorithms Model and Multiple Linear Regression Model , *In the Proceedings of the first Mediterranean Conference on Intelligent Systems and Automation*, Algeria, June 30 - July 02, 2008.

M. Ababneh, S. Oqeili, and K. Ignaim, Enhanced ADFGVX product cipher: Random\_8Character ProductCipher, *In proceeding of the EuroJournals Publishing, pp.323-328 2009*.

Karam. Ignaim, A. Sheta, S. Bani-Ahmad , Optimal Weight Selection of ANN to Predict the Price of the General Index for Amman Stock Exchange, *JOURNAL OF COMPUTING ,VOLUME 3, ISSUE 3,2011*.

Karam Ignaim, A. Sheta, S. Bani-Ahmad , Solving Capelin Time Sries Ecosystem Problem using Hybrid ArtificialNe ural Networks- Genetic Algorithms Model *International Journal of Computer Applications Volume 19, No.2, 2011*.

## Membership

- Member – Student Issues in Al- Balqa Applied University,2010.
- Member – Social Committee - Prince Abdullah Ben Ghazi Faculty of Science and Information Technology- Department of IT -Al- Balqa Applied University, 2010.
- Member - 2nd Jordan International Conference of Computer Science and Engineering, 5 December 2006.
- Member - Software Engineering Undergraduate Courses Committee, 2005/2006.
- Member - Software Engineering Undergraduate Courses Committee, 2008/2009.

## References

1. Name : Prof. Oqeili Saleh Irsheid,  
Email: saleh\_bau\_1955@yahoo.com  
saleh@bau.edu.jo  
Position: Vice president for Academic  
Affairs, Al-Bqalqa Applied University
2. Name: Prof. João M.Fernandes  
Email: jmf@di.uminho.pt  
Dept. Informatica / Centro ALGORITMI  
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