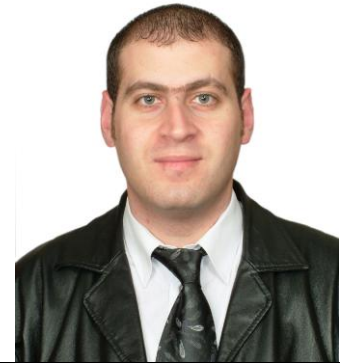


**Shadi El Hajjar**  
**MSc. Computational Engineering**

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**Personal Details**

**Date of birth:** June 27, 1980  
**Nationality:** Lebanese  
**Gender:** Male  
**Marital Status:** Single

**Job Objective**

To start a Job in a creative, highly technical, challenging, competitive and cooperative environment, where I can prove and at the same time flourish not only my technical and educational knowledge but also social and interactive skills between the employees. There should be an opportunity of reaching at the zenith of my abilities, so that I can enjoy to the full brim of what I am doing and contribute the whole of mine.

**Academic Qualifications**

**2003 – 2005**

**Friedrich Alexander University, Erlangen – Nuremberg**  
**Bayern, Germany**

*Masters of Science in Computational Engineering*  
Technical Application Field (Thermodynamics and Numerical Fluid Dynamics)

**1999 – 2003**

**Lebanese University**  
**Beirut, Lebanon**

*Maitrise of Science (4 years) in Pure Physics*  
[Bachelor of Sciences + Teaching Diploma] in Pure Physics with minor in Mathematics

**1996 – 1999**

**Jib Janine High School**  
**West Bekaa, Lebanon**

*Secondary Diploma in General Sciences, High School Certificate, Experimental Sciences*

## ***Teaching and Work Experience***

### ➤ ***September 2008 – current***

**Dhofar University  
Salalah, Sultanate of Oman**

- ✓ Head of Math and IT department, Foundation Program.
- ✓ Registration Coordinator for Foundation Program Students.
- ✓ Teaching Algebra Courses Levels 1 and 2 for Foundation Program students.
- ✓ Computer Programming Laboratory C++ for Engineering students, College of Engineering.
- ✓ Teaching Math Calculus I Tutorials for Sciences Students, College of Arts and Applied Sciences.

### ➤ ***September 2007 – August 2008***

**Dhofar University  
Salalah, Sultanate of Oman**

- ✓ Math/IT Instructor, Foundation Program.
- ✓ Teaching Algebra Courses Levels 1 and 2 for Foundation Program students.
- ✓ Teaching Electric Circuits I and II Tutorials for Engineering students, College of Engineering.
- ✓ Coordination of extra courses materials and tutorials for weak students.

### ➤ ***September, 2006 – August, 2007***

**SABIS – International School of Choueifat  
Muscat, Sultanate of Oman**

- ✓ Core Physics, Applied Physics and Mathematics Teacher for grades 10, 11 and 12.
- ✓ Experimental Physics Laboratory Supervisor for higher grades.
- ✓ Administrator responsible for creating interaction between the students and the teachers through the Student Life Organization.

### ➤ ***March, 2005 – August, 2006***

**Institute of Numerical Fluid Dynamics - Faculty of Engineering  
Erlangen-Nuremberg University, Germany**

- ✓ Technology applications in computer Labs, writing fluid flow simulation codes using FORTRAN and visualizing it with TECPLOT. Animations for visualizing the simulations was also part of the work.
- ✓ Grid generation, geometry, and meshing using the tool ICEM-CFD.
- ✓ Worked for 6 Months (Master's Thesis Project) for a car Exhaust Pipe Systems Company (Arvin Meritor) in Augsburg, Germany. Also performed comparisons between Numerical results and the Company Experimental results.

P.S: References are available upon request.

### **Summary of Software Skills**

#### ***Operating Systems:***

- Windows NT/2000/XP/Vista/7
- Debian and Suse Linux
- UNIX
- DOS

#### ***Programming Skills:***

- C/C++/Fortran
- HTML/Latex
- SuperComputers (XEON Clusters and in Intel Itanium 2 Processors)

#### ***Software tools:***

- Advanced knowledge in MS-Office Suite
- LOGOS Registration System Software

#### ***Simulation Package:***

- FASTEST 3D
- Star-CD

#### ***Visualization Package:***

- TECPLOT
- Dx-Viewer

#### ***Hardware:***

- Basic Computer Hardware
- Computer Architecture

### **Languages**

***Arabic:*** Fluent  
Native language (Mother Tongue)

***English:*** Fluent  
TOEFL (computer based)

***German:*** Very Good  
Completed 6 levels of German Language courses

### **Communication Skills**

- Communicate cooperatively and effectively (verbal and written).
- Present and respond clearly and coherently.
- Ability to describe and explain information, instructions and concepts.
- Ability to lead and follow in a team environment.
- Encourage positive work atmosphere in group environment.

### **Personal Skills**

- Organize work independently or as part of a team.
- Goal oriented, committed organization person.
- Schedule responsibilities according to priorities.
- Helpful and dedicated.
- Hard working, analytical, mentally positive, fast learner.

### **List of Publications**

- Tariq Abu Hilal, Hasan Abu Hilal, **Shadi El Hajjar**, " Performance of Diversity Reception for MIMO CDMA Systems in Non- Gaussian Channles", *SIWN09* Conference, Germany, March 2009.
- Tariq Abu Hilal, Hasan Abu Hilal, **Shadi El Hajjar**, " The Effect of Impulsive Noise on V-BLAST Detection", *SIWN09* Conference, Germany, March 2009.
- Khalid Daqrouq, Tariq Abu Hilal, M.Sherif, **Shadi El Hajjar**, A. Al Qawasmi, " Speaker Identification System Using Wavelet Transform and Neural Network", IEEE 2009 International Conference on Advances in Computational Tools for Engineering Applications – 2009 Advances in Computational Tools for Engineering Applications, Beirut, Lebanon.