

# Mostafa A. Shahverdy

M.S. in Computer Software Engineering



## Full Name

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## Languages

Persian native

English proficient

## Document

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$\LaTeX$

## Education

2012–2014 **Masters of Engineering** of Computer Software Payame Noor University, Tehran

Currently I am studying for my Masters and I will finish on summer of 2014

2006–2010 **Bachelor of Engineering** of Computer Software Bu-Ali Sina University, Hamedan

Ended up with:

- Analyzing and optimizing "Error control for Video Streaming with Small Data Units" on JM reference software
- Developing an application to manage examinations of BTSs.

2004–2006 **Diploma** Mathematics and Physics Seyfie Talented Students High School, Malayer

## Current Situation

Currently I am studying Masters and most of my time I am searching/studying/testing on different aspects of HEVC reference software. I am also developing a brand new idea of my own for a traditional website, which will be online as early 2014. Currently my research cycle can be itemized in the following categories:

- Multimedia Coding
- Data Analysis
- Programming & Testing

## Interests

### Professional:

- Video Error Resilience
- Video Coding And Compression
- Video Encryption
- Video/Audio Streaming
- Network Security
- Network Simulation
- Web Development

### Personal:

Hiking, Swimming, Soccer, Reading, Writing.

## Awards

2007 **ACM 1<sup>st</sup> Place** Hamedan ACM  
In Corporation with *Abouzar Alizade*

2006 **ACM 2<sup>nd</sup> Place** Hamedan ACM  
In Corporation with *Mostafa Parchami*

## Experiences

- 2010–2012 **Bu-Ali Sina University's "National ICTWordnet" Team** Hamedan, Hamedan  
*Head Developer*  
ICTWordnet is one of Iran's national projects, defined by itrc.ac.ir, based on Princeton Wordnet, focused on ICT (Information and Communication Technology). Project's first three phase lasted from 2010 to 2012 under leadership of *Dr. Muharram Mansourizade* and *Dr. Mohammad Nassiri*, both from Bu-Ali Sina University.
- 2010–2012 **Bu-Ali Sina University's "National ICTWordnet" Team** Hamedan, Hamedan  
*Head of Datamining Teams*  
One of most important phases of ICTWordnet project was Datamining, in which we had to form several teams.
- 2008-2009 **Hamedan Telecommunication Company's "BTS Examination Manager"** Hamedan, Hamedan  
*Developing an application to manage examinations of BTSs*  
Base transceiver station or BTS, is a piece of equipment that facilitates wireless communication between user equipment (UE) and a network. UEs are devices like mobile phones (handsets), WLL phones, computers with wireless Internet connectivity (from wikipedia).
- 2009 **"Error control for Video Streaming with Small Data Units"** Bu-Ali Sina University  
Based on an article by *Jari Korhonen* and *Pascal Frossard* titled "Error control for Video Streaming with Small Data Units" I developed and evaluated the proposed method on JM reference software.
- 2007-2013 **Freelance Web Developing** Hamedan & Tehran  
Developing *Websites* and *Web Applications* using PHP, Javascript, HTML5, CSS3
- 2008 & 2012 **ACM Jury Team** Hamedan ACM

## Presentations

- 2011-2013 **Oral Presentation & Teacher Assistance** Bu-Ali Sina University  
Presented 2 seasons on *Web development tools* as a part of *Internet Engineering course*.
- Teacher assistant for *Computer Networks* course by *Dr. Mohammad Nassiri*.

## Skills

### Softwares and Packages

Profession related (with knowledge on source code):

- H.264/AVC JM Reference software
- HEVC
- Zendframework2

General:

- VI/VIM/GVIM
- Git, SVN(elementary SVN commands only)
- Octave(Matlab), Visual Studio, Netbeans and Eclips
- $\LaTeX$  & Microsoft Office(Word, Excel, PowerPoint and ...)
- Enterprize Architecture(EA), BoUML, Wordpress, Joomla, Mysql, MSSQL and a lot more...

## Programming Skills

- Advanced C++ Programming
- Advanced Web Developing using PHP, Javascript, HTML5 and CSS3
- Advanced Database Designer with MySql and SQLServer
- Advanced Program Designer Using MVC
- Zendframework2 Program Designer
- Advanced JQuery and AJAX Program Designer
- Developing Wordpress Plugins
- Linux Scripting Languages

## Programming Languages

- C/C++
- PHP, Javascript, HTML5, CSS3
- SQL
- Pascal, Assembly, Java, C# and Python, Matlab (Academic only)

## Advanced Linux user since 2007 on Debian Family

Mostly focused on:

- Desktop Environment Personal Use
- Gcc And Development
- Network Simulation
- Web Development
- Shared Webhosting & VPS Management

## Academic References

### DR. Mohammad Nassiri

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