MARWAN OSMAN

Address: 21 Ahmed Kamha St., Camp Caesar, Alexandria, Egypt
Mobile: +201222403046
Email: marwan.aosman@gmail.com **Website:** `http://marwanosman.com`

PROFESSIONAL OBJECTIVE

My vision in life is that computers are the most important invention created in modern humanity. I believe in the next decades computers will gain more power and intelligence. I hope to play an important role in developing more intelligent computer and software applications.

EDUCATION

B. Sc. Computer and Systems Engineering *(2005 - 2010)*
Faculty of Engineering, Alexandria University, Egypt. Cumulative GPA: 3.2

General Secondary Certificate(G.S.C.)(Mathematics Division) *(2003 - 2005)*
Saint Marc Colleg, Alexandria, Egypt. Cumulative Score: 97%

> **Graudation Project "WNMI":** Web Networks and Mail Integrator

> **Abstract:** A web framework integrating various social networks and mail providers, providing extensibility to any new coming network. WNMI is implemented in a web interface and a desktop interface featuring offline synchronization.

> **Technologies used:** J2EE, JavaFX and the client libraries for different social networks and mail providers.

EXPERIANCE

eSpace Technologies *(July 2010 - Present)*
Junior Web Developer

- Agile Web Development using Ruby on Rails, Javascript, CSS and HTML.
- Member of *Marginize* team, `http://www.marginize.com`

ITWorx *(July - August, 2009)*
Software Quality Engineer - Intern

- Started with an orientation to software quality engineering process and various types of software testing.
- Worked on software testing automation on one of ITWorx products called I-Sales, using IBM Rational Functional Tester and writing test scripts in Java.
- Presented an introduction session to the basics of Java language to some of my team members.
- Contributed in defining a framework for future automation projects based on an object oriented framework for IBM RFT proposed by IBM.

TECHNICAL SKILLS

- **Good Experience with:** Object Oriented Programming, Design Patterns, Agile Programming.
- **Programming Languages:** Java, C/C++, Basic, 8086 Assembly, Python, Ruby.
- **Web Development:** HTML, CSS, JavaScript, XML, AJAX, JSON, JavaFX.
- **DBMS:** Microsoft Access, MySQL, SQLite, Oracle 10g.
- **Platforms:** Windows 95/98/2000/XP/Vista/7, GNU/Linux Ubuntu.
- **Mobile Platforms:** Symbian, J2ME, Android.
- **IDEs:** Eclipse, Microsoft Visual Studio.NET, NetBeans.
- **Digital Design:** VHDL, Xilinx, ModelSim.
- **Design and Graphics Software (Fair knowledge):** Adobe Photoshop, 3D Studio Max, Adobe Premiere, Adobe Macromedia Flash.

Personal Skills

- Team Working
- Time Management
- Self Learner
- Working under pressure

Languages

- **Arabic:** Native
- **English:** Fluent
- **French:** Fluent (DELF certified,2004)

Extra Curricular Activities

- Blogging on http://marwanosman.blogspot.com
- Presented a 101 session for Information Technology Institute (ITI) about **Python and Google App Engine** *(May, 2011)*
- Participated in **Startup Weekend Cairo 2011**, Project **Jayyim** *(April, 2011)*
- Participated in the organization team of **Software Freedom Day@Alexandria University** festival *(September, 2009)*

  Supervised a study group about Python.

  Presented a session about "Programming under Linux in Python".
- Participated in the **Microsoft Imagine Cup booth in the Faculty of Engineering, Alexandria University** *(November, 2008)*
- Attended **IEEE-ASST 3rd annual event "Leading your career, Leading your society"**, and associated workshop "Effective Time Management" *(September, 2007)*
- Attended **Algorithms and programming training for EOI** *(June - September, 2007)*

  Topics: Graphs structure and algorithms, Backtracking, Geometric Algorithms, Binary Search Trees, Heaps, Dynamic Programming.

Selected Academic Projects

Order Entry System *(January, 2010)*

Simple order entry system where customers can register, view and buy products, and on the other hand allows sellers to manage their stocks.

my part: Back-end to Front-end implementation of the admin part using Java Beans, Servlets, JSP, HTML, Javascript, and CSS. Implementing I18N for the project in English, French and Arabic.

Simple HTTP Reliable Data Transfer over UDP *(December, 2009)*

Implementation of TCP with selective repeat over UDP and simple HTTP GET command to transfer files between hosts.

Using C++ and Berkely Sockets.

Student Registration System *(June, 2009)*

Simple student registration system where students can register courses, and teaching staff members can obtain reports on the students.

my part: Contributing to the DB design, implementation of the system in Oracle 10g and writing PL/SQL procedures.