

# Ahmed Ibrahim

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## Objectives

Getting PhD degree in Computer engineering.

## Education

*In progress* – Virginia Tech, USA.

### **PhD. in Computer Engineering.**

- **Thesis main topic:** COMPUTER VISION.

2007 – Faculty of engineering (Shoubra) – Benha University – Egypt.

### **MSc. of Computer systems Engineering.**

- **Thesis title:** LIGHT WEIGHT AGENTS FOR INTRUSION DETECTION.

2001 – Faculty of engineering (Shoubra) – Benha University – Egypt.

### **BSc. of Computer systems Engineering.**

- **Cumulative Grade:** Very good with honor degree (**83.5%** ranked third).

## Training

March- May 2007 – Cairo

**Oracle OCA administrator 10g. , Oracle OCP administrator 10g.**

April - May 2004 – Durbin - South Africa

**Access Control and ticketing systems.**

June-Sep. 2000 - Cairo

**Summer training (N.E.T.)** –Network Infra-Structure planning and implementation.

## Personal

## Skills

- Creative, Fast Self-Learner.
- Ambitious, Calm, Cooperative, Adaptable, Dependable, Independent, Hardworking.

## Work

## Experience

### **Graduate Assistance (8/2014 to 5/2015)**

*\*Virginia Tech (office of institutional research)*

#### **Job description**

- Maintain the web front end and backend for the office of institutional research of Virginia Tech using ASP.NET, MS-SQL.

### **Android Developer (5/2014 to 8/2014)**

*\*Edge Networks, Reston, VA, USA.*

#### **Job description**

- Develop the android version of a secure VOIP application based on an open source core.

### **Graduate Research Assistance (8/2013 to 3/2014)**

*\*Virginia Tech (Funded by Department of Defense DOD)*

#### **Job description**

- Develop an android application that connects an android device to an Infra-red Camera to handle the captured images and videos.

### **Solution architect, System solutions manager (1/2009 to 8/2012)**

*\*Middle East Technology*

#### **Job description**

- Manage the complete process of Installation, configuration, and support for Access control systems (Omnicheck Italy), video walls (Video Vision USA), and other large scale systems in Cairo stadium, Giza pyramids, Coptic museum, and other places.
- Manage the technical aspects (hosting, Domain Management, mail services, Development Team) for elife.com.eg, metech.com.eg, elkoshk.com

### **Teaching assistant (2002 – 2011)**

*\*Faculty of engineering (shoubra)– Electric engineering Department  
Computer systems engineering branch - Benha University - Egypt*

#### **Teaching Classes**

- Intel microprocessor, Intel Assembly Language, computer networks, Data security, Operating systems, Neural Networks, Computer architecture, Data structures.

**Labs:** C++, VB6 programming, Intel x86 Simulation Kit, Oracle developer, SQL\*Plus

**Software development manager (3/2008 1/2009)**

\*[Al-Attya for computer and technology \(Egypt Branch\)](#)

**Job description**

- Establish the company branch in Egypt and Hire software developers.
- Manage a team of Software developers to design and implement software systems tailored to the customer needs using Visual C# 2008, Oracle 10g DBMS, MS SQL server 2005, Visual source safe 2005

**Solution architect, System engineering team leader (7/2004 to 3/2008)**

\*[Middle East Technology](#)

**Job description**

- Leading a team of software engineers to design and implement special software tailored to the customer needs.
- Participate in Installation, configuration, and support for Access control systems, VTMS systems, video walls, and other large scale systems in Cairo main stadium, Giza pyramids, Coptic museum, Dandara Temple Applications, Alexandria marine port.

**Software engineer (7/2001 to 7/2004)**

\*[Middle East Technology](#)

**Job description:**

- Participate in feasibility studies and business process re-engineering, Analyzing, Designing and implementing Oracle database applications (Schema, Forms, and Reports). Perform Oracle Database installation, administration, and data.

**Military Service (2/2002 – 3-2003)**

Promoted to a corporal and received a Good Leader evaluation for high level programming (using Oracle PL/SQL and VB.NET) for providing **Decision Support Systems** to the armed forces.

**Tasks**

- Maintenance and upgrade of existing Decision Support System.
- Data migration from Informix (Sun platform) to Oracle 8i (Windows platform) using Informix export tools and Oracle SQL Loader.

## Computer Skills

- **Operating systems:**
  - Ubuntu 8 to 14, Fedora 9 to 15, Android.
  - Windows 3.11, 95, 98, NT, XP, Vista, 7, Windows server 2000, 2003, 2008.
- **Programming tools:**
  - **Mobile and cloud Technologies:**
    - **Android (Java), GWT (Java), Google App. Engine.**
  - Matlab
  - Visual basic 3, 4, 5, 6, .NET, Visual C#
  - Java, C++, Python.
  - Oracle PL/SQL, X86 Assembly language.
  - PHP, bootstrap, JavaScript
- **Databases :** Microsoft SQL Server, Microsoft Access, Oracle, MySQL
- **Rapid Web Sites Construction:** Joomla CMS, PHPBB3, Vbulletin 4, bootstrap
- **Networks:** Linux IPTABLES, Squid Proxy server (over Linux).
- **Hardware prototyping:** Raspberry PI.

## **Publications**

Amira E. Youssef, Ahmed S. Ibrahim, & A. Lynn Abbott, "Automated Gender Identification for Arabic and English handwriting", 5th International Conference on Imaging for Crime Detection and Prevention (ICDP), London, UK, December, 2013.

Youssef, Amira E., Sherin F. Aly, Ahmed S. Ibrahim, and A. Lynn Abbott. "Auto-Optimized Multimodal Expression Recognition Framework Using 3D Kinect Data for ASD Therapeutic Aid.", International Journal of Modeling and Optimization (IJMO) , Vol. 3, No. 2, pp. 112-115, April, 2013

Y.H. Dakrouy, R. A. El-Kammar, M. I. Sharaawy, & A. S. El-Nady Ibrahim, "Agent-Based Intrusion detection Using Hidden Markov Model", Scientific Bulletin Faculty of Engineering, Ain Shams University, Vol. 42, No. 1, March 31, 2007.