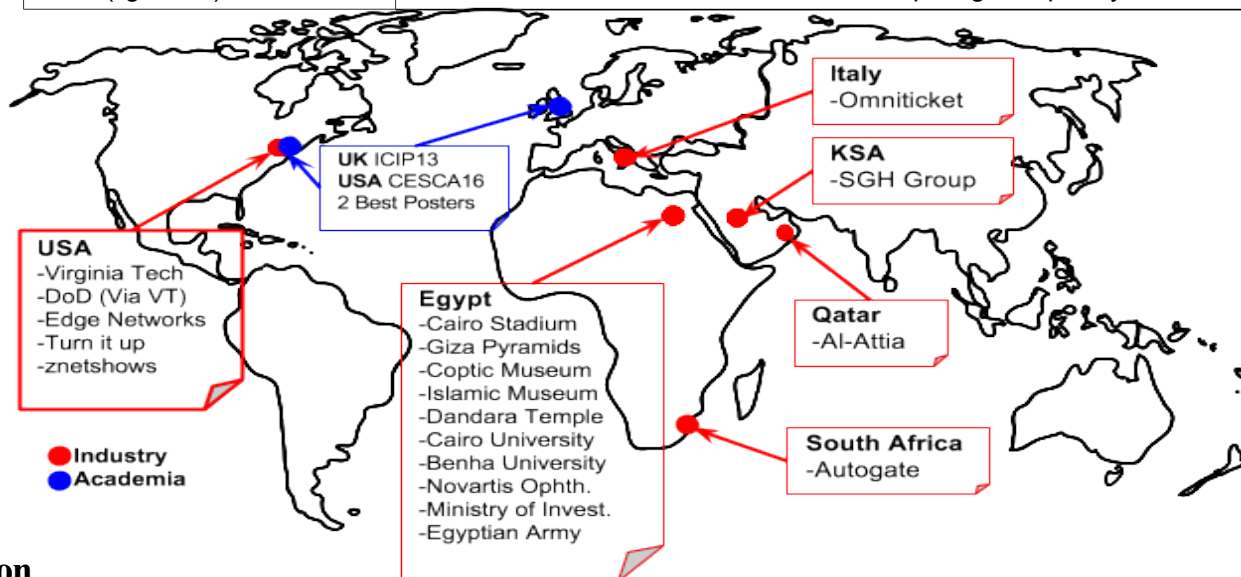


Ahmed Ibrahim

Skills

Tool	Experience (in years)	Industry	Academia	Last used	Notes
Python	4		+	Present	
Keras/ TensorFlow	0.5		+	Present	
Caffe (Deep Learning)	2		+	Present	Shell, Pycaffe, Matcaffe
C# (Desktop, ASP.NET)	16	+	+	Present	
Matlab, Linux, Bash Scripting	15		+	Present	Also Octave
SQL, PL/SQL	18	+	+	Present	MS, Oracle, MySQL, OCP 10g
Java Script, Bootstrap, PHP	2	+		Present	
Microstrategy	2	+		Present	Data analytic and visualization
Android (Mobile Dev.), Java	4	+	+	2014	VOIP Client, DoD project
Oracle (Dev. & Admin.)	10	+		2010	Oracle Certified Pro. 10g
VB (3,4,5,6)	11	+	+	2004	
Other (light use)	C++, Torch, Pascal, Qbasic, Quantum Computing, Raspberry PI				



Education

PhD. in Computer Engineering *in progress* (expected Fall 2017)

Virginia Tech, USA., Thesis topic: COMPUTER VISION –DEEP LEARNING.

MSc. in Computer Engineering 2007

Benha University(Shoubra) – Egypt., Thesis title: LIGHT WEIGHT AGENTS FOR INTRUSION DETECTION.

BSc. in Computer Engineering 2001

Benha University(Shoubra) – Egypt., GPA: 3.23,

Awards and recognition

- Best Poster presentation CESCA day 2016 Virginia Tech, USA
- Bonus for exceeding expectations, 2014, Edge Networks, USA
- Best Poster presentation ICIP Conference 2013 London, UK
- One-year worth of salary bonus for efforts, and creativity, 2008, Metech, Egypt
- Ranked 5th over the College of Engineering (near one thousand graduates) 2001, Benha Univ., Egypt

Achievements Examples

- Used Artificial Intelligence to plan the country-wide marketing campaign for Novartis Ophth., Egypt
- Overcame SW and HW incompatibilities while integrating various systems in Cairo stadium, Egypt.
- Finished the Cairo stadium project on time(Worked 11 hours/day, 6days/week for 3 months).
- Established the software development division of Al-Attia Qatar in Egypt
- Enable OTG in Nexus 4 with Android 4.3, The Wild Life project, Virginia Tech, USA
- volunteered to manage the lab server and train other students to use it, Virginia Tech USA

Work Experience

Graduate assistance, Virginia Tech (9/2014 to Present)

- Developer: the office front and back end (SSRS, and MSSQL server)
- Dev. & Admin.: eFARS System (Symplectic Elements)

Android programmer, Edge networks (Reston, NOVA) (intern) (5/2014 to 8/2014)

- Developing a secure VOIP android client based on linphone open source client.

Graduate research assistance Virginia Tech* (8/2013 to 3/2014)

*(Funded by the US Department of Defense (DoD))

- Developing an android application that connects a smart phone to an Infra-Red Military Camera to handle the captured images and videos.

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

- Managed the complete process of Implementation, and support for the access control and ticketing system in Cairo stadium, Giza pyramids, Coptic museum, and other places.
- Technical management for elife.com.eg, metech.com.eg, elkoshk.com

Teaching assistant, Benha University (2002 – 2011)

- Teaching Classes: Intel microprocessor, Intel Assembly, 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, Al-Attya Qatar (3/2008 1/2009)

- Establish the company branch in Egypt and Hire software developers.
- Manage a team of Software developers to build software systems.

System engineering team leader, Metech (7/2004 to 3/2008)

- Lead a team of software engineers to design and implement software systems.
- Implementation, and support for Access control systems, VTMS systems in Cairo stadium, Giza pyramids, Coptic museum, Dandara Temple Applications, Alexandria marine port.

Software engineer, Metech (7/2001 to 7/2004)

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

Publications

- **Ibrahim, Ahmed S.**, A. Lynn Abbott, M. Hussien, "Input Fast-Forwarding for Better Deep Learning", 14th International Conference on Image Analysis and Recognition (ICIAR), Montreal, Canada, 2017
- **Ibrahim, Ahmed S.**, A. Lynn Abbott, M. Hussien, "An Image Dataset of Text Patches in Everyday Scenes", 12th International Symposium on Visual Computing, USA, 2016.
- **Ibrahim, Ahmed S.**, Amira E. Youssef, and A. Lynn Abbott. "Global vs. Local features for Gender Identification using Arabic and English Handwriting." IEEE International Symposium on Signal Processing and Information Technology, December, 2014.
- Youssef, A. E., **Ahmed S. Ibrahim**, and 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. (**Awarded best poster**)
- Youssef, A. 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 Hidde'n Markov Model", Scientific Bulletin Faculty of Engineering, Ain Shams University, Vol. 42, No. 1, March 31, 2007.