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| **Aiman Tarek – 2008260**  To interview this candidate, please send your company name, vacancy, and salary offered details along with this or other CV Reference Numbers that you may have short listed from <http://www.gulfjobseeker.com/employer/cvdatabasepaid.php>  addressing to HR Consultant on email: [cvcontacts@gulfjobseekers.com](mailto:cvcontacts@gulfjobseekers.com)  We will contact the candidate first to ensure their availability for your job  and send you the quotation for our HR Consulting Fees. |

Work Experience

Dubai, UAE*(Jun 2015 – Current)*

Improve and enhance existing products, and help in building new products

**Software Engineer** at EAF, Cairo, Egypt*(May 2012 – Mar 2015)*

Developing reliable, secure applications and solutions

**Lecturer Assistant** at Faculty of Engineering, Minia University, Egypt*(Jan 2012 – Apr 2012)*Teaching Operating Systems with C++, Software Engineering, and Java Programming Language

**Freelance Android Programming** *(Oct 2009 – Mar 2015)*

Developing Android applications and maintaining them on Play Store

**Software Engineer Intern** at Giza Systems, Giza, Egypt (Jul 2009 – Aug 2009)Building financial apps based on Oracle web forms, Oracle database 10g and PL/SQL

Education

**Post-Graduate:** Master’sstudent, Information Technology Management, The British Universityin Dubai, UAE

**College:** Bachelor of Computer and Systems Engineering, Faculty of Engineering, MiniaUniversity, Egypt (GPA: 2.88) - *July 2011*

Training

3 days at GET Group in **Intelligent Transportation Systems (ITS)** – *May 23, 2016* 4 days at Traka in **Traka key management and smart lockers** – *April 5, 2016*

5 days at GET Group in **ARH Automatic Number Plate Recognition** – *November 2015*

12 days at SoftLock in **Secure Authentication** and **Digital Signature**, **Software and Data** **Protection**, **Digital Security Solutions and Systems Protection** –*December 17, 2014*

24 hours over 3 weeks at Computer House, in **Assembly** Programming Language –

*September, 29, 2009*

48 hours over 5 weeks at YAT, in Mastering **Java Programming** – *June, 22, 2009*

4 weeks at College in **Computer Architecture**, **µController** basics, Computer **Networks**, and **C programming** – *July, 15, 2008*



Skills

|  |  |  |  |
| --- | --- | --- | --- |
| **Programming Languages** | |  |  |
|  | C/C++ |  | CUDA |
|  | Java |  | Android |
|  | C# |  | Embedded C |

**Security**

Data leakage prevention and encryption Application protection and security

**Parallel Programming: C++, CUDA**

GPGPU: General-Purpose computing on Graphics Processing Units Parallel and Heuristic algorithms

Publications

**Hassan Youness, Muhammed Osama, and Aiman Tarek**, (2012). “Load Balancing on CPU-GPUHeterogeneous System,”Vol. 7, No. 8, published in *Al-Azhar University Engineering Journal*, presented at *Al-Azhar Engineering Twelfth International Conference*, Cairo, Egypt, December 25-27, 2012

Languages

**Arabic:** Native

**English:** Very Good

Interests & Activities

Cars, Technology, Physics, Movies, Wildlife, Traveling, Formula 1, Swimming



Work Portfolio

R&D Engineer at GET Group

**Responsibilities:**

Technology research, analysis, and POCs

Design and development of new components, products or solutions Support in conducting customer’s live demo

Existing product’s development and enhancement

**Technologies**:

Automatic Number Plate Recognition (ANPR)

Optical Character Recognition (OCR)

Smart law enforcement solutions In-vehicle PCs, network devices,

cameras, and electronics

Vehicle electrical configuration 3G/4G bonding routers,

aggregators, concentrators

Smart key management system Smart lockers

CCTV cameras

Video Management System (VMS)

AutoCAD mechanical engineering design

Intelligent Transportation System (ITS)

Smart cards and readers RFID and UHF technology Arduino microcontrollers Body-worn cameras

Time attendance and access control Tablets and handhelds

Head counting and people tracking Batteries and power management Smart parking solutions

Face recognition

Event management solution

Software Engineer (Security) at EAF

**Responsibilities:**

New solutions development to cover security requirements

Report new discovered threats, vulnerabilities and how to fix or avoid them Assessment of solutions security

Building fully featured user friendly secure mailing system

**Technologies**:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Application security | Firewall, Antivirus and VPN | |
| Crawlers and search engines | |  | Malware, spyware, adware |
|  | Cyber security |  | On-The-Fly Encryption (OTFE) |
| Data encryption and protection | | Public Key Infrastructure (PKI) | |
|  | Data leakage prevention | Secure authentication and digital | |
|  | Digital forensics |  | signature |
|  | Digital identity |  | Steganography |

Email protection

Freelance Android Developer

**Responsibilities:**

Android development using Eclipse and Android SDK Publishing apps to Google Play Store

Supporting multiple languages, screen sizes, and resolutions Android reverse engineering

Fix Bugs and add new features

**Technologies**:

|  |  |  |  |
| --- | --- | --- | --- |
|  | ABTO VoIP SIP SDK |  | In-app billing: purchases, and |
|  | AChartEngine graphics API |  | subscriptions |
|  | Android 3.0+ |  | IOIO-OTG |
|  | Android FTP |  | Network Broadcast, Unicast, |
| Android Native Development Kit | |  | Multicast |
|  | Audio recording and capturing |  | Network Service Discovery |
|  | Bluetooth API |  | Notifications and WakeLock |
|  | CMUSphinx speech recognition |  | PDF Library SDK |
|  | Contacts provider |  | Proj4j |
|  | D2XX Direct Driver API |  | RESTful web service |
|  | Dropbox API |  | SD card tokens |
|  | Geopaparazzi GIS API |  | SMS parsing |
|  | Google Maps API |  | SOAP web service |
|  | GPX parsing |  | SQLite database |
|  |  |  | USB Serial API |

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