



## Mostafa Abdelaziz

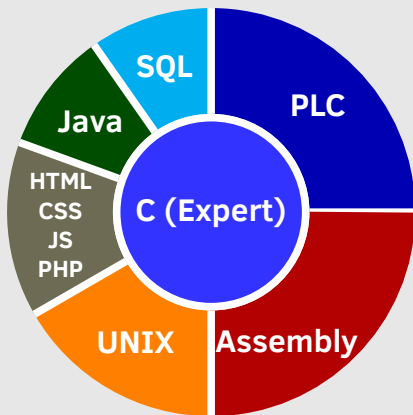
Computer and Systems Engineer

- 30 April 1993
- Metro Vancouver, Canada
- +1 778-788-0657
- <http://github.com/iocoder>
- iocoder@aol.com

## About me

Professional engineer with wide technical expertise in automatic control systems, computer networks, embedded systems, computer architecture, and databases.

## Skills



## OS

GNU/Linux  
FreeBSD  
Windows



## Languages

English

Arabic

Italian

## Education

- 2011 - 2016 **B.Sc., Computer and Systems Engineering** Alexandria University  
**GPA:** 3.94.  
**Overall Ranking:** 1<sup>st</sup>.  
**Graduation Project:** FPGA computer based on MIPS architecture.
- 2008 - 2011 **High School** Mubarak Secondary School, Alexandria  
**Overall Grade:** 407.5/410 (99.36%).  
**Specialization:** Mathematics.

## Experience

- Sep - Nov 17 **Research Assistant** Simon Fraser University, BC  
**Role:**  
 Building a radio testbed for Networks and Systems lab at Computing Science school, SFU.
- Jun - Sep 17 **Control Systems Engineer** Advanced HVAC Consultant, Cairo  
**Role:**  
 PLC/DDC programming for advanced HVAC systems. I was the leader of a team responsible for installing and maintaining HVAC and BMS systems for several clients in Cairo.  
**Duties:**
  1. Programming Saia Burgess PCD PLCs.
  2. Designing BMS interfaces using Tridium controller.
  3. Designing interfaces for various communication protocols.
  4. Completing the deployment of BMS systems for several clients.
  5. Instructing our teams on implementation of electrical boards.
  6. Troubleshooting and solving technical problems.
- Jul - Dec 16 **Software Engineer** Ejada Systems Ltd., Alexandria  
**Role:**  
 Programming software modules for our clients.  
**Duties:**
  1. Implementation of CRM systems using Oracle Siebel.
  2. Developing BigData solutions using Hadoop and Scala.
- Jun - Sep 15 **RA Intern** SmartCI Research Center, Alexandria  
**Role:**  
 Implementation of the storage system of cognitive radio cloud.

## Selected Projects

- Systema Programming Language.
- Quafios Operating System for x86 and MIPS.
- Technical Report on UEFI.
- Liftroid: Visualized elevator interface using AVR and Android.
- IDE to USB interface using AVR and PIC.
- 8086 micro-computer system.
- CDP: Reliable Data Transfer Protocol for Linux Kernel TCP/IP Stack.
- Hello World BIOS.
- Static RAM with MOSFETs on PCB.

## Awards

- 2017 **IELTS** English Language Certificate, Band Score: 7.5.  
 2017 CSED Golden Armor for the **top student** of 2015-2016 Class.  
 2017 Prof. Naeem Abou Taleb Award for **top student**.  
 2012 - 2016 Four **Certificates of Excellence**, Alexandria University.  
 2012 Certificate of Achievement, **ACM Alexandria CPC**.  
 2009 - 2010 Two Silver Medals, **Egyptian Olympiad in Informatics**.  
 2008 Platinum Award, Cyberfair, **Bibliotheca Alexandrina**.

- Mailing Address: 7252 Hastings St., Burnaby, BC, Canada - V5A 1G8.
- You can find the source code of my resume at <http://www.github.com/iocoder/resume>.