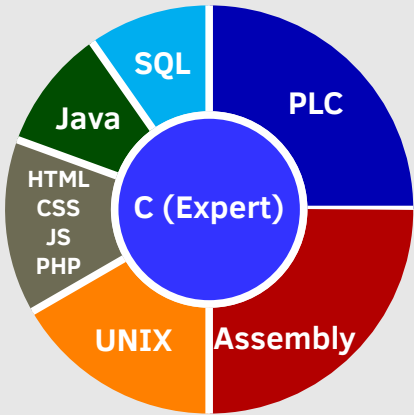# Mostafa Abdelaziz

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 embedded systems, computer architecture, computer networks, automatic control systems, 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: 1st.
Graduation Project: FPGA computer based on MIPS architecture.
Course Highlights: Control Theory, Modern Control, Embedded Systems, Computer Architecture, Software Engineering, System Software, Operating Systems, Compilers, Switching Theory, Automata Theory, Complexity Theory.

2008 - 2011	**High School**	Mubarak Secondary School, Alexandria

Overall Grade: 407.5/410 (99.36%).
Specialization: Mathematics.

Experience

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.
- 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**.
2016	**Certificate of Excellence**, Alexandria University.
2015	**Certificate of Excellence**, Alexandria University.
2014	**Certificate of Excellence**, Alexandria University.
2013	**Certificate of Excellence**, Alexandria University.
2012	Certificate of Achievement, **ACM Alexandria CPC**.
2010	Silver Medal, **Egyptian Olympiad in Informatics**.
2009	Silver Medal, **Egyptian Olympiad in Informatics**.
2008	Platinum Award, Cyberfair, **Bibliotheca Alexandrina**.

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