

Ahmed Hussein Abdelhadi

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Experience

Valeo

Cairo, Egypt

Embedded Software Engineer, Radar Systems, Comfort and Driving Assistance

Jul 2015–Present

- Software developer, integrator and acting technical leader for R&D standardization Radar project.
- Code refactoring, maintenance and bug fixing for both DSP and Host Radar software modules.
- Configuring AUTOSAR modules for Host Application.
- Module testing using VectorCAST.
- Debugging BlackFin DSP using VisualDSP++.
- Debugging S12XE and PICTUS MPC using WinIdea.
- Using CANoe and CAPL for simulating and debugging.
- Documenting High-Level Design and Low-Level Design documents.
- Integration and release of software releases using configuration management tools (Dimensions).
- Designing and running release (regression) tests measuring CPU load, stack consumption and jitters of periodic tasks.
- Ownership of CAN specifications and maintaining the DBC.
- QAC using MISRA-C and Valeo Standards.
- Mentoring and supporting newcomers.

OGTech Technology Solutions

Giza, Egypt

Application Manager

Jan 2015–May 2015

Education

German University in Cairo

Cairo, Egypt

Bachelor of Science in Engineering and Material Science

2009–2014

Major: Mechatronics Engineering

GPA: 1.67 (Very Good with Honors)

Institute of Mechanics at Universität der Bundeswehr München

Munich, Germany

Bachelor Thesis

Mar 2013 – Aug 2013

Title: Vibration finite element analysis and control of Coriolis flow meters (CFM)

Grade: A

GUC Berlin Campus

Berlin, Germany

Study Abroad for Winter Semester 2012

Oct 2012 – Jan 2013

AB Language School

Cairo, Egypt

The Egyptian General Secondary Certificate of Education

2007–2009

Grade: 98.17%

Technical Skills

Programming Languages: C, Java, Python

Automotive Tools: Vector CANoe, DOORS, Enterprise Architect, VectorCast

Numerical Computing Environments: MATLAB, ANSYS, LabVIEW

Language

Arabic: Native language

English: ILR Level 4 – Full professional proficiency

TOEFL iBT Test Total Score: 103

German: ILR Level 2 – Limited working proficiency

Extra-Curricular Activities

AYB-GUC

Alumni

Jun 2015 – Present

Research and Development Team Leader (Alumni)

Sep 2014 — May 2015

Internal Public Relations Team Member

Nov 2013 -- Aug 2014

Bdaya-GUC

Alumni

Sep 2014 – Present

Care Committee Member

Nov 2013 -- Aug 2014

- Ushered in various events including: **GUC Employment Fair '14**, **Student Union Elections '14**, **GUC Graduation Ceremony '13** and **GUC Orientation '13**.
- **Bdaya-GUC '14** Best Academic Subcommittee Member
- **AYB-GUC '16** Best Alumni