



ARDA EFE OKAY

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Date of Birth: 30/04/1994

WORK EXPERIENCE

01/05/2016-Present Junior Software Engineer

Kuartis Technology and Consulting, Ankara (Turkey)

- Working on Virtual Reality project which you can watch football matches at Virtual Box. This project is being developed for the biggest TV broadcast company in Turkey (Digiturk beIN) and is published at Oculus VR Store.
- Worked on a Patient Monitoring System which uses Microsoft Kinect 2.0. This product has action detection module, gesture detection module which uses HMM, heart rate estimation module which uses Eulerian Video Magnification method and face detection module which uses depth vertices. I developed face detection module and integrated the modules.

07/2016-08/2016 Internship

Bombardier Transportation, Rome (Italy)

Worked on IKZ Project, as a project engineer used AutoCAD to update signalling side plans

08/2015-09/2015 Internship

ASELSAN, Ankara (Turkey), Avionics Software Design Department

Worked on a project related to programing the MIL-STD-1553 databus simulator using C++

06/2014-07/2014 Internship

Kuartis Technology and Consulting, Ankara (Turkey)

Design and development of an object tracker algorithm which uses flock of trackers method using OpenCV in C++

EDUCATION

09/2013-06/2017 BSc. in Computer Engineering (Ceng) (Double Major)

Middle East Technical University, Ankara (Turkey)

CGPA: 3.43/4.00

09/2012-06/2016 BSc. in Electrical and Electronics Engineering (EEE) (Major)

Middle East Technical University, Ankara (Turkey)

CGPA: 3.41/4.00 (Specialization: Computers Area)

09/2008-06/2012 High School

Gazi Anatolian High School, Ankara (Turkey)

09/2005-06/2012 Science and Art Center (for Gifted and Talented Students)

Yasemin Karakaya Science and Art Center, Ankara (Turkey)

LANGUAGE SKILLS

- Turkish: Mother Tongue
- English: Advanced

COMPUTING SKILLS

Operating Systems:	Windows, Linux
Languages:	C/C++, Python, Verilog HDL, Arduino C, C#, Java
Programming APIs & Libraries:	OpenCV, Kinect SDK 2.0, Libav, OpenGL, PCL
Software Packages:	MATLAB, SVN Subversion, Jenkins
Development Tools:	Visual Studio, Xamarin Studio, Eclipse
Electronical Tools:	LTSPICE, Multisim/Electronics Workbench, Agilent-VEE,
Others:	Office tools, Keycreator(CAD), LaTeX, MIT App Inventor

PROJECTS

- 2016-2017, Ceng Senior Design Project: Development of cross platform mobile shopping list application with recommendation system and chat-bot
- 2016, EEE Senior Design Project: Development of autonomous robot system can estimate the target position and attack towards it with bullet like object using coil gun
- 2016, Digital Signal Processing Course Term Project: Implementation a guitar tuner on MATLAB
- 2015, Digital Electronics Term Project: Implementation of "Road Fighter" game to FPGA by using Verilog HDL.
- 2015, Analog Electronics Term Project: AM radio construction with automatic gain control
- 2014, Electronic Circuits Laboratory II Term Project: Audio frequency analyser construction
- 2014, Electronic Circuits Laboratory I Term Project: Speed and direction control of a DC motor with pulse width modulation (PWM) depending on the temperature difference of two media
- 2013, Development of mini sumo robot for ITURO (Istanbul Technical University Robot Olympics)
- 2009, TÜBİTAK (The Scientific and Technological Research Council of Turkey) High School Project Contest participation with "Aircraft Museum" project

HONORS AND AWARDS

- 2016-2013, 4 High Honor and 3 Honor Degrees by the chair of EEE department
- 2015, Best Project Award in EE314 Digital Electronics Laboratory course with "Road Fighter" game
- 2012, Turkey University Entrance Exam (LYS) degree 312nd out of more than 2 million.
- 2011, TED 2nd International Education Forum, Student Competition "Innovation in Education"
- 2009, TÜBİTAK High School Project Contest at Ankara Region, 1st place at History topic
- 2003-Present, More than 30 medals and honors from various national and local chess tournaments, both individual and team categories

SOCIAL CLUBS and SOCIAL ACTIVITIES

- 2016- Present, Membership of TCF (Turkish Chess Federation), Ankara Agency, Technical Chamber (I participated dozens of chess tournaments as arbiter or technical officer both normal and blind categories)
- 2014-Present, Captain of METU Chess Team, (METU Chess Team won 3rd degree at Turkish Clubs Championship at 2014, played Turkish Chess First League at 2015 and 2016 years)
- 2013-2016, Membership of TCF, Ankara Agency, University Chamber
- 2013-2014, Chairman of METU Chess Club
- 2012-Present, Membership of METU Chess Club, (METU Chess Club hosted more than 30 chess tournaments which are organized by me)
- 2012-2014, Membership of METU Robotics Club