


PERSONAL INFORMATION

Ali Cem Ünal



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Sex Male | Date of birth 13/06/1989 | Nationality Turkish

WORK EXPERIENCE

01/02/2017–Present

Engineer

Center of Optomechatronics Application and Research, Isik University
34980 Istanbul (Turkey)
www.isikun.edu.tr/en

The company that I am working for produces adaptive optic systems and sub-systems for astronomical telescopes. I am working on derotator systems and adaptive control systems.

-Actively used programs: Matlab, Solidworks, Ansys

-Role: Mechanical design, engineering simulations, material selection & production methods, control algorithms (adaptive control)

Business or sector Professional, scientific and technical activities

01/10/2013–01/02/2017

Teaching associate professional

Isik University
34980 Istanbul (Turkey)
www.isikun.edu.tr/en

I was working as a teaching assistant. I attend exams as an observer and grade quizzes of the following classes;

-ME007(Introduction to Engineering), ME120 (Technical Drawing), ME211 (Material Science), ME224 (Design and Manufacturing), ME429 (Manufacturing Engineering)

I assist following laboratories of the classes;

-ME120, ME21, ME301 (Measurement and Instrumentation), ME302 (Experimental Engineering)

-Actively used programs: Matlab, Solidworks, Ansys

Business or sector Education

07/2013

Voluntary

Lions Turkey District 118-T (Turkey)

To work as a staff in Lions Turkey District 118-T Sea-Sun-Fun Summer Camp. My duties were orienting the guests, solving their problems and orienting leisure activities.

- The camp was about visiting historic places in Turkey while learning the history behind them.
- There were 17 guests whose are between 16-22 years old and they came from 10 different countries.

08/2012–06/2013

Teaching Assistant

Isik University
34980 Istanbul (Turkey)

<http://www.isikun.edu.tr/>

- To grade quiz and homework of mechanical engineering department classes.
- To assist drawing and laboratory classes.

Business or sector Education

02/07/2012–31/07/2012

Internship

Fiat Car Factory (Tofas Turk Otomobil Fabrikasi Inc.)
574, Yeni Yalova Yolu Street, 16369 Bursa (Turkey)
<http://www.tofas.com.tr/en/Pages/default.aspx>

- Training on engineering skills
- Training on management skills
- Training on presentation skills
- Training on group working skills

Business or sector Manufacturing

18/08/2011–12/09/2011

Internship

Anadolu Cam Sanayii Inc.
42, Davutpasa Street, Istanbul (Turkey)
<http://www.anadolucam.com.tr/en/index.php>

- Training on engineering skills
- Training on group working skills

Business or sector Manufacturing

08/2011–09/2011

Voluntary

Centro Astalli SUD, Napoli (Italy)

During this camp, we have repaired dormitory building for refugees and prepared a cartoon for their kids.

Business or sector Other service activities

07/2008–02/2010

Researcher

Isik University Electronics Society
34980 Istanbul (Turkey)

Researching mechanical parts of the Isik University Formula G car (solar car).

Business or sector Education

02/2009–08/2009

Writer

ceplab, website (Turkey)
www.ceplab.com

Testing and writing review about brand new cell phones.

Business or sector Other service activities

EDUCATION AND TRAINING

01/02/2018–Present

Master of Science in Mechanical Engineering

Istanbul Technical University
34437 Istanbul (Turkey)
<http://www.itu.edu.tr/en>

EQF level 7

My education field is system dynamics and control.

- 2008–06/2013 **Bachelor of Engineering in Mechanical Engineering** EQF level 6
Isik University, Istanbul (Turkey)
- I graduated rank 1st from my department
 - I attended 1 year English prep school
 - I attended 4 years bachelor of engineering education in mechanical engineering department
- 07/2013 **Certificate of Lions service award**
Lions Turkey District 188-T (Turkey)
- Turkey District 118-T Sea-Sun-Fun Summer Camp was a culture camp. I worked as a voluntary staff and the certificate was given at the end of the camp.
- 02/2012 **OHSAS18001:2007 Occupational Health and Safety Management Systems Internal Auditor**
TSC Management Systems Education Academy, Istanbul (Turkey)
- 02/2012 **ISO14001:2004 Environmental Management Systems Internal Auditor**
TSC Management Systems Education Academy, Istanbul (Turkey)
- 02/2013 **ISO9001:2008 Quality Management Systems Internal Auditor**
TSC Management Systems Education Academy, Istanbul (Turkey)
- 12/2012 **International Certificate of Language A1 in German**
GOETHE INSTITUT, Istanbul (Turkey)
- 11/2012 **Seminar of Master of Business Administration and Business Opportunities in the Private Sector**
Isik University, Istanbul (Turkey)
- 08/2011–09/2011 **Centro delle Diversità**
Centro Astalli SUD, Napoli (Italy)
- It is a voluntary work camp that helps immigrant people.
- 05/2012 **Seminar of Create Your Personal Brand**
Isik University, Istanbul (Turkey)
- 04/2012–05/2012 **Certificate Program of Advanced Level Excel**
Vega Computer Services Inc., Istanbul (Turkey)
- 04/2012 **Certificate Program of Social Media**
International Business School, Istanbul (Turkey)
- 12/2011 **Seminar of Entrepreneurship and Innovation**
Isik University, Istanbul (Turkey)

- 11/2011 **Seminar of Developments in Automotive Industry and Special Consumption Tax Changings**
Isik University, Istanbul (Turkey)

- 01/2010 **Seminar of Advanced Excel**
Bilge Adam, Istanbul (Turkey)

- 2003–2007 **High School Diploma**
Kagithane Anatolian High School, Istanbul (Turkey)
 - I attend 1 year German language prep classes
 - I attend 3 years German language based high school

PERSONAL SKILLS

Mother tongue(s) Turkish

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1
International Certificate of Language A1 in German By GOETHE INSTITUT					
Italian	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- I have good team spirit and communication skills gained through my experiences as a R&D engineer of a multinational team. Also, I practice my skills before many other activities such as I was a part of university go-kart racing team.
- I got good adaptation to multicultural environment. I gained this skill though my social activities and work environment. I was working as a volunteer for nonprofit international organizations In Italy and also in Turkey. I was in touch with children, refugees and elderly people.

Organisational / managerial skills

- During my undergraduate study , I cooperate with International incoming students from all over world , to organize some national and international events such as workshops , travels to historical and touristic places.
- I made some sponsorship interviews to finance motorsport racing team when I was a bachelor student.
- I organized banquets, meetings and sport activities for the Motorsport society of my university that I managed for 2 years.

Job-related skills

- I have 3 certificates about Quality Management Systems, Environmental Management Systems, Occupational Health and Safety Management Systems. During my second Internship I also worked on these issues. In addition, I have done a project about organization of working tools of the factory on my second internship.
- I have well knowledge about environment protection, energy efficient machines and recycle materials according to my engineering background.
- Good knowledge about adaptive control
- Good command Ansys, Solidworks and Matlab
- Experienced about coding and logic

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Independent user	Proficient user

Digital skills - Self-assessment grid

- Good command on Microsoft and Office programs
- Basic knowledge of Java
- Good command on Matlab
- Good command on Solidworks
- Good command on Ansys
- Good command on Latex
- Good command on Arduinio programming
- Good command on Photoshop

Other skills

- Karting licence owner and rofessional go-kart pilot
- Medal owner on free style swimming category
- Tennis, football, chess, backgammon and basketball are the thinks that I enjoy playing.

Driving licence

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ADDITIONAL INFORMATION

Publications

- I am one of the disclaimers and inventors of 2 pending international patents; EP18020209.5 and EP18020210.3
- I am main writer of the "10700-141" numbered paper of " DAG 7 arcmin derotator design and alignment procedure " and it is published via SPIE.