



# Bengisu Albayrak

## Curriculum Vitae

### Experience

2018–2019 **Calibration Engineer**, *Penta Otomasyon Şirketler Grubu*, İstanbul-TURKEY.  
Worked at the subdepartment *Penta Calibration Laboratory* as a calibration engineer between January 2018 and May 2019.

### Education and Professional Preparation

2019–2021 **Language courses**, New Haven – USA.  
Attended various institution's *English courses* (with and without certificates) between 2019 and 2021, including those of *Yale University*, *New Haven Public Library*, *Bridges ESL*, ve *Gateway Community College*.

2012–2017 **Bachelor**, *Başkent University*, Ankara – TURKEY.  
Biomedical Engineering, *with full scholarship*  
*Graduation Project*: Developing a system that will allow the hearing impaired to communicate through the skin, under the supervision of Asst. Prof. Dr. Metin Yıldız

2016 **Summer school**, *Jade University of Applied Sciences*, Oldenburg – GERMANY.  
Had received certificate upon attending the courses *Medical Image Processing*, *Introduction to Project Management*, *Safety In Biomedical Technology*, *Cognitive Ergonomics / User Centered Design*.

2014–2016 **Internships**, Ankara – TURKEY.

ERTUNÇ ÖZCAN Ltd.: worked in installation, calibration, and documentation of medical instruments, and also in preparing, performing, and reporting the final tests in July, 2016.

TMS Medical Devices: worked in installation, maintenance, and hospital usage of medical instruments in June, 2016.

MEDICANA Int. Hospital: worked in the biomedical department in August & September, 2015.

BINS Technology: worked in the R&D department in KOSGEB, Atılım University, in July & August, 2014.

### Languages

Türkçe Native  
English Professional  
Deutsch Elementary

## Social Details

### Interests

Nature	Camping, canyoning, hiking, and birdwatching	
Basketball	amateurishly played in basketball team <i>Çukurova Spor</i>	
Music	took private singing lessons between the ages 7 and 14, attended to Children's Choir of Ministry of Culture and Tourism in Tarsus between 2003 and 2009, and took private piano lessons between 2007 and 2009	
Herbalism	Various Herbalism courses & certificates	2019 – 2021

### Associations

Active Memberships	<b>Member</b> , WWF (2017–current), DEKAMER – sea turtle research center (2017–current), Birdlife International (2016–current), Scout Associations Federation (2008–current), TEMA (2004–current).
2014–2017	<b>Member</b> , <i>Başkent University Biomedical Engineering Society</i> , Ankara.
2013–2016	<b>Chairwoman</b> , <i>Başkent University Music Society</i> , Ankara.
2012–2014	<b>Board Member</b> , <i>Başkent University Travel Society</i> , Ankara.
2004–2008	<b>Chairwoman</b> , TEMA for youth, Tarsus.

### Social Projects

Aug. 2015	<b>Attended</b> , <i>Arcanul Etno-Folcloric Festival</i> , Radauti, Romania.
Nov. 2014	<b>Organized</b> , <i>Başkent University Composition Contest Among National Universities</i> , Ankara, Turkey.
Oct. 2014	<b>Organized</b> , <i>“Deserted Children” Concert</i> , Ankara, Turkey. This event was organized to raise money for children without families.
Oct. 2014	<b>Organized</b> , <i>“Street Musician” Concert in Başkent University</i> , Ankara, Turkey. This event was organized to raise money for street animals.
May. 2014	<b>Organized</b> , <i>“Aid to Soma” Concert</i> , Ankara, Turkey. This event was organized to raise money for the victims of Soma mine explosion.
Jan. 2014	<b>Organized</b> , <i>“Three Great Man” Concert in Başkent University</i> , Ankara, Turkey. This event was organized in memory of Cem Karaca, Erkin Koray, and Barış Manço.
Jan. 2014	<b>Organized</b> , <i>“Let you be the Santa” Project</i> , Ankara, Turkey. This event was organized with <i>Ankara Toy Library</i> to help children in need.
Apr. 2013	<b>Organized</b> , <i>“Aid to Library” Project</i> , Ankara, Turkey. This event was organized to aid the needs of the library of <i>Haymana Altınpınar Village Elementary School</i> .
Jan. 2013	<b>Organized</b> , <i>“Let you be the Santa” Project</i> , Ankara, Turkey. This event was organized with <i>Çankırı Şabanözü Rehabilitation Center</i> to help people with mental disorder.
Apr. 2007	<b>Oral Presentation</b> , Balıkesir, Turkey. On <i>Global Warming Effects on Turkey</i> in National Congress of TEMA –The Turkish Foundation for Combating Soil Erosion, for Reforestration and the Protection of Natural Habitats

### Participations and Personal Development

Participations	Volunteer work on DEKAMER (sea turtle research center) for two months, Dalyan, Turkey, 2017 Mathematics workshop of Nesin Foundation, Şirince, Turkey, 2009
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Certificates *Gallileo Instructor Certificate* of Turkish Astronomy Association at the workshop of Nesin Foundation, Şirince, Turkey, August 2009  
*Certificate of Attendance* for National Congress of TEMA, Balıkesir, Turkey, April 2007  
*Certificate of Attendance* for International Congress of TEMA, Antalya, Turkey, April 2006  
*Certificate of Attendance* for National Congress of TEMA, Ankara, Turkey, May 2005

## Professional Details

### Work seminars

Details can be shared upon request.

### Computer skills

Engineering Multisim, Electronics Workbench, Proteus  
Computation SPSS, MATLAB including Guide & DAQ  
Programming MicroC, C, C++, C#  
Editing Office Programs, Adobe Photoshop

### Coursework (B.S. 2012-2017)

- Biomedical Signal Processing I-II
- Biotechnology
- Biomedical Instrumentation I-II
- Physiology for Engineers I-II
- Biomechanics
- Biomaterials
- Microprocessors
- Business Administration
- Mathematical Analysis I-II
- Electromagnetic Theory
- Advanced English I-II
- Radiation Physics
- Logic Design
- Programming I-II
- Chemistry I-II
- General Physics I-II
- Medical Tech. Management
- Computer Applications in Biomedical Eng.
- Linear Algebra & Differential Equations
- Transducers with Biomedical Apps.
- Management
- Medical Scanning Systems
- Medical Electronics
- Human Anatomy and Physiology
- Biostatistics
- Biochemistry
- Electronics
- Economy
- Signals & Systems
- Circuit Theory
- Presentation Skills
- Medical Biology
- Mechanics Laboratory
- Programming Laboratory I-II
- Chemistry Laboratory
- Electric Laboratory
- Management of Health Inst.
- Introduction to Biomedical Eng.
- Developing English Lang. Skills

## References

Available upon request