



# Atakan Işık

## Biomedical Engineer (MsC)

I graduated from the Biomedical Engineering Department of Başkent University in 2016. For my graduation project, I worked on Polysomnography signals for the diagnosis of sleep apnea. After a short stint as a Sales and Field Representative at Elsa Orthopedics following my graduation, I started my master's studies at the same university and in the same department. Alongside my master's, I continued my freelance work. During this time, I designed an interface capable of specific analysis for Electrocardiography signals. I then began working as a research assistant at Başkent University in 2019, and I am still currently working there. I completed my Master's thesis on the analysis and classification of Electromyography signals using machine learning. I started my doctoral education in 2020, and I am currently working on radiological images.

## Contact

### Phone

### Email

### Address

## Education

2020-Present

### PhD

Başkent University Biomedical Engineering Department

2017-2020

### Master Of Science

Başkent University Biomedical Engineering Department

Master Thesis: Classification of Healthy, Neuropathic and Myopathic Groups from Electromyography Signals

2011-2016

### Bachelor's Degree

Başkent University Biomedical Engineering Department

Graduation Project: Classification of Sleep Apnea With SVM and ANN using Polysomnography Signals

## Expertise

- Research
- Biosignal Processing
- Medical Image Processing
- Matlab
- Machine Learning
- Python

## Language

English(Intermediate-Advance)

Deutsch (Beginner)

## Experience

### 2019 - Present

Başkent University | Biomedical Engineering Department |

Ankara, Turkey

### Research Assistant

I am currently working in the Biomedical Engineering Department at Başkent University, where I organize and assist in laboratory experiments for undergraduate level courses, and I also participate in various research projects.

### 2016-2017

Elsa Orthopedy |Ankara, Turkey

### Sales and Technical Engineer

I have been involved in the sales, after-sales support, and personnel training for medical devices under the Cosmed brand within the company, and I have also taken on responsibilities in technical support and technical service support as needed

## Academic Publishes

- SEMI AUTOMATIC CARDIAC VECTOR AND ANGLE CALCULATOR DEVELOPMENT. ICENTE'19-International Conference on Engineering Technologies
- Sleep apnea detection using with EEG, ECG and respiratory signals. IEEE 2017 25th Signal Processing and Communications Applications Conference (SIU): Antalya

## Reference