



# Ahmet Melek

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## OBJECTIVE

Eager to obtain technical knowledge and practical skills on Artificial Intelligence (Machine Learning).

Looking for working and internship opportunities abroad, for faster self-improvement and to obtain further vision.

## WORK EXPERIENCE

### Bogazici University Medical & Biological Physics Lab

May 2019 — Present

AI Engineer

We are working on:

- Classification of cancer types from cellular image data
- Cancer Staging Prediction
- Optimizing the prescription of **anti-cancer** drugs (antiangiogenic and chemotherapy) with Machine Learning methods

Lab website:

<https://sites.google.com/site/burcinunlu>

### Bogazici University Machine Learning Study Group

February 2019 — Present

Member

We teaching and learning about:

- Machine Learning Architectures
- Project Development with Machine Learning
- Data Science

### Inzva, BEV Foundation, Istanbul

February 2019 — February 2019

Guide (Lecturer)

Performed as a guide on Deep Learning Study Group for two weeks.

Topics were on:

- Fundamentals of Convolutional Neural Networks
- Residual Networks
- Inception Networks

## **Deep Learning Turkey**

**Jan 2019 — June 2019**

Mentor

Providing mentorship to people as they follow Deep Learning Specialization course on Coursera.

We will make projects together after June 2019, when the course is completed.

## **Iceberg Technologies, Istanbul**

**July 2018 — November 2018**

Intern

- Worked on development of Diabetic Retinopathy Recognition with Machine Learning methods.
- Developed a Web Application for an Advertisement Platform project.
- Worked on the field, to make business deals on the deployment of afore mentioned Advertisement Platform.

## **K.A.M. Games**

**January 2018 — March 2018**

Founder, Developer

- Developed a game to teach Cyber Security basics to high-school students.
- Recieved office investment from TÜBİTAK Marmara Teknokent.

## **EDUCATION**

### **BS in Management**

**September 2017 — June 2021**

Bogazici University, Istanbul

Current GPA: 3,26

Last Term SPA: 3,85

Taking courses from Computer Engineering Department for self-improvement on Computer Science.

### **Deep Learning Study Group**

**December 2018 — April 2019**

Inzva, BEV Foundation, Istanbul

Topics that this program have covered:

- Basics of Neural Networks and Deep Learning
- Hyperparameter tuning, Regularization, Optimization
- Project Development with Deep Learning, Orthogonalization, Transfer Learning
- Convolutional Neural Networks, Residual Networks, Inception Network
- Object Detection and Localization
- Neural Style Transfer

### **Algorithm Study Group**

**February 2019 — May 2019**

Inzva, BEV Foundation, Istanbul

Topics that this program have covered:

- Search & Sort Algorithms

- Number Theory, Factorization, Combinatorics, Exponentiation
- Graphs, Tree Search Methods
- Greedy Algorithms, Dynamic Programming
- Data Structures

## **.NET Certification Programme**

**October 2017 — May 2018**

Bilge Adam Academy

Topics that this program have covered:

- C# and Object Oriented Programming
- SQL Server
- Data Access
- HTML, JavaScript, CSS
- ASP.NET MVC Web Applications
- ASP.NET Web API
- Web Project Development

## **QUALIFICATIONS**

### **Mainly focused on these topics:**

- Machine Learning
- Deep Learning
- Convolutional Neural Networks (CNNs)
- Generative Models

### **Has technical & practical knowledge on these topics:**

- Blockchain Technology
- Biometrics Systems
- Graph Databases, Network Analysis and Triplestores
- Django Web Framework
- Game Development with Unreal Engine

### **Language Proficiency:**

- English: Technical and Professional proficiency
- German: Beginner proficiency
- Spanish: Beginner proficiency
- Turkish: Native language

### **Strengths:**

- Fast learner
- Teaching Skills
- Technical Understanding
- Communication
- Leading on small group projects

### **Weaknesses:**

- Has more of a horizontal knowledge than a vertical professionalism.

## **Choral Music**

Performed as a Bass Chorist in **Bogazici University Jazz Choir** and **Chromas Choir** for a total of one year.

- Made Spotify records with Chromas Choir.[1]
- Performed a live performance on stadium at championship celebrations.
- Represented Turkey on World Symposium of Choral Music in 2017, Barcelona Spain.  
[2][3]
- Performed tens of live performances in various other places.[4]

[1]: <https://open.spotify.com/artist/61hl6gWJtTmcfLcZJ0X0L>

[2]: <https://www.youtube.com/watch?v=j2vGKJddXW8>

[3]: <https://www.youtube.com/watch?v=n4glXwOZmgk>

[4]: <https://www.youtube.com/channel/UCw6xdYI9eIWpTeklGxwkHlw>

## **Acting**

Acted semi-professionally on theater festivals for two years.

- First year, a German play. A modified version of "Faust".
- Second year, a Turkish play, "Sevgiyle Tut Elimi".

## **Scuba Diving**

- Member of Bogazici University Underwater Sports Club.
- I am a one star scuba diver certified by CMAS.