



Mehmet Ali YILMAZ

Curriculum Vitae

Education

- 2013–2017 **Computer Engineering**, *Middle East Technical University, GPA: 2.85, 2017 Graduate.*
- 2009–2013 **IB Diploma Programme**, *TED Ankara College.*
- 2006–2013 **TED Ankara College**, *Ankara.*

Vocational Experience

- 2017 Actively working on capturing static sign language gestures using ensemble methods, composing various machine learning models such as Artificial Neural Networks, k-NN classifiers, SVM and decision trees into a single, robust model that correctly detects most of the sign language alphabet using Leap Motion in Unity platform.
- 2017 **VR Game Developer**, *Graduation Project.*
Actively working on development of Virtual Reality games using Leap Motion and Oculus Rift. For the last 10 months I'm developing a VR game which is playable using Leap Motion's hand tracking feature. The game flow continues as the player interacts with its virtual environment using sign language gestures. This way, the game aims to teach sign language and develop empathy on how hearing-impaired people communicate.
- 2016 **Data Analyst Intern**, *UNDER PROF. YUSUF SAHILLIOGLU, METU.*
With a group of friends, I fetched and parsed last 5 year's football match results from a bet website called Zulubet. I applied WEKA data mining tools in order to predict any given match's result. I also tried to apply machine learning classification techniques on this batch data in order to observe the website's accuracy on any match, given its parameters such as teams, date, league, conditions etc.
- 2016 With a friend, we developed a Web Dashboard using Python with Django along with JS, MySQL. The dashboard consists of several components that are independently fed from different websites, such as weather tracking, facebook notification tracking, mail tracking, forum post notifications, daily zodiac posts, currency tracking etc. The dashboard allows users to pick and place the components on 2D grid, configure their own designs and save them for later use.
- 2015 **Summer Intern**, *TURKISH AEROSPACE INDUSTRIES INC, Ankara.*
Under Erciyes Project, I developed an ELF parser in order to monitor any given file's header information onto console in human-readable format.

Miscellaneous Experience

2012-2017 **Social Responsibility Projects.**

Under the name of "Ted Mezunlar Dernegi", I continuously take part in social responsibility organizations that mainly target children. In May 2015, for 82nd year of TED's foundation, we gave 82 children, whose families are having limited financial means to give them one, a great birthday celebration, together in TED's Incek Campus. In May 2016, we organized a festival for orphan children in SOMA, Manisa who lost their parents in a disastrous mining accident. This year, we have visited children in GATA, who are kept in hospitals due to their illness, and we painted their walls with their favourite cartoon characters, gave the hospital such lovely look that is worth spending a childhood under its roof. Every year we aim to organize at least one sensational project like those. Our group's official YouTube channel: <https://www.youtube.com/channel/UCmz9TRah8iPZW4Q8CMiYZA>

2013 **Graduation Thesis, *International Baccalaureate.***

The effects of Pan-Turkism during the years of newly founded Turkish Republic, 1923 and 1931, by means of ideology and external policy regarding the transition period of Turkish Republic. See original copy: http://tedprints.tedankara.k12.tr/381/1/Mehmet_Ali_Yilmaz.pdf

Programming skills

Proficient C++, Object Oriented Programming (C#, Java)

Intermediate PYTHON, HTML-AJAX-PHP-JS, Embedded Systems (PIC-FPGA), Leap Motion Programming

Beginner Haskell, Prolog, Django, LaTeX, Unity, CG (OpenGL, OpenInventor), MySQL

Languages

Turkish **Mothertongue**

English **Advanced**

German **Basic**

Near native, fluent

Basic words and phrases only

Interests

- Machine Learning

- Algorithms

- Embedded Systems

- Neural Networks

- Virtual Reality

- RTOS

Awards

2006-2017 TED 100% Scholarship (Tam Egitim Bursu)

Exams

May 2017 ALES 95.19 SAY, Rank: 366