

Emrah YILMAZ

Computer Engineer



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Personal Data:

Gender : Male
Date of Birth : September 22, 1982
Birth Place : Ankara-TURKEY
Nationality : Turkish
Marital status : Married
Military service : Served (April 2008 – Sept 2008)

EDUCATION

2003 – 2008 : Çankaya University, Faculty of Engineering
Department of Computer Engineering (Graduated in 3.5 years)
CumGPA : 3.28 (Honor Degree)

2000 – 2003 : Dokuz Eylul University, Faculty of Engineering
Department of Mechanical Engineering

PROJECTS

2009 : General Directorate of Security Personnel Management System (Tübitak Project)

- Confidential (EPYS - 1007)
- Based on **C#** , **Asp.NET**, **Windows Mobile**

2009 : Ministry of Industry and Trade Commissary Regulations E-Chamber Portal

- A Portal that every process about chambers that are connected to the Ministry of Industry and Trade Commissary Regulations can be done online.
- Based on **C#** , **Asp.NET**

2008 : GPS Vehicle Tracker System

- GPS vehicle tracking system tracks the vehicle with a three metres tolerance. Program can run locally or over internet. System gives live tracking output on a map. Multi vehicle tracking is supported.
- Based on **C#** , **Windows Mobile**, **J2ME**

2008 : Multi-Touch Screen Computer (Same as Microsoft Surface)

- Hardware enables user to interact with computer by touching to screen with more than one finger. Device supports maximum ten fingers at a time. Software uses the inputs and draws images. Both hardware and software are built by me.
- Based on **C#**

2008 : RoboTurk

- **Unmanned Helicopter** designed for military and civil usage. Helicopter has a computer on it that has a Windows CE operating system. Stabilization and all the other work is done by the helicopter itself. User only gives the path to follow as an input with values of coordinates. Also video streaming is available from helicopter to ground; the video can be either in thermal vision or IR vision. A gyroscopic sensor and a GPS device were used.
- Based on **C#**

2007 : Turkish Text to Speech Engine

- GVZ like Turkish Text to Speech Engine which can read any Turkish input. Used as a short message reader on cell phone.
- Based on **C#** , Embeddable to any application

2007 : Tracker

- Runs on cellular phone, records the GPS data to a web service. Then an interface generates a map with a route that is followed by the carrier of phone.
- Based on **C#**

2007 : Rapidshare like Website

- Rapidshare like web site that enables users to upload or download files with upload limit, and vulnerability control
- Based on **C#** , Asp.NET

2007 : Peer to Peer Chat Server-Client

- Based on **C** , Multi-thread programming
- An MSN like chat program which works on closed networks with registered users. The program also has a simple encryption mechanism on it.

2007 : Network Sniffer

- ICMP UDP TCP Sniffer
- Based on **C**, sniffs all the data that runs through the inner network.

2007 : Network Remote Control with File Manager & Transfer

- A remote control program which runs on Linux that has file managing and file transferring ability
- Based on **C** that works like TeamViewer program in DOS mode.

2007 : Cellular phone photograph utility

- For Sony-Ericsson phones
- Based on **Java** , takes pictures in every given time interval and sends to o predefined phone number.

2007 : Human following robot

- Human following robot which follows the object that goes in front of it.

2007 : Colony Robots

- Seven robots which are programmed to follow the lead and 1 leader robot that moves random.

2007 : Door finding robot

- Door finding robot that finds the exit from a room by examining the walls situation.

2007 : Line following robot

- Line following robot for ITURO Contest

2006 : Çankaya University – E-Reserve System

- E-Reserve is a system that enables to access books and lecture notes online
- Based of **C#**, **ASP.NET**, **XML Web Services**

2006 : Peer to Peer Chat Server-Client

- Based on **Java** , Multi-thread programming
- An MSN like chat program which works on closed networks with registered users. The program also has a simple encryption mechanism on it.

<u>2005</u>	: <u>Online Book Store</u>
	<ul style="list-style-type: none"> • A system that enables to buy books online • Based of C#, ASP.NET, XML Web Services
<u>2005</u>	: <u>Noise removal from pre-recorded sound</u>
	<ul style="list-style-type: none"> • Removing the noise from evidence which makes the record impossible to understand • Samples were taken at every local maximum and minimum point. Then Curve Fitting was applied.
<u>2005</u>	: <u>Copy Right checking over WWW</u>
	<ul style="list-style-type: none"> • Information about this project is private (Ankara Adliyesi)
<u>2005</u>	: <u>Proof Determination</u>
	<ul style="list-style-type: none"> • Information about this project is private (Ankara Adliyesi)

WORK EXPERIENCES

<u>2010 – Present</u>	: <u>Project Manager - BaşarSoft</u>
<u>2005 – Present</u>	: <u>Bilirkişi - Ankara Adliyesi</u>
<u>2009 – 2010</u>	: <u>Computer Engineer - PDI ERKOM</u>
	Sulh Hukuk Mahkemeleri and Asliye Hukuk Mahkemeleri - Dealing with computer based cases. My responsibility was guiding the judge in the decision making process.
<u>2007 – 2008</u>	: <u>Computer Engineer - RoboTurk</u>
<u>2007 – 2008</u>	: <u>Microsoft Student Partner – Microsoft Turkiye</u>

ACHIEVEMENTS

<ul style="list-style-type: none"> • Second best CumGPA in Computer Engineering Department • Full scholarship awarded by Çankaya University • “Best Evecutive MSP 2007” award by Microsoft Turkey
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LANGUAGE SKILLS

<ul style="list-style-type: none"> • English (Fluent) • Turkish (Native Language) • German (Basic) • Spanish (Basic)
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COMPUTER SKILLS

<p>Experiences in Algorithms and Programming C#, Java, C , C++ Windows Mobile, .NET Framework 3.5, .NET Compact Framework 2.0, Haskell, Data Structures and File Structures etc. Microprocessors, Data Communications, Information Systems Analysis and Design</p> <p>Web Development ASP , ASP.NET, DotNetNuke, RadAjax, Coolite, Photoshop</p> <p>Development Methodologies Extreme programming ,pair programming ,agile development, scrum methodology, test driven development</p> <p>General Microsoft Windows Series, Microsoft SQL Server Series, Microsoft Visual Studio Series and Visual Studio Team System, Microsoft Office Products and several other soft ware.</p>
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INTERESTS

- Sports, swimming, body building, free weight lifting, skiing, unequipped diving
- Computer-Based activities.

EXTRACURRICULAR ACTIVITIES

- President of Çankaya University Computer Engineering Club
- Coordinator of Çankaya University Robotics Club
- Member of Çankaya University Organization Club
- Member of Çankaya University Computer Club

REFERENCES

- Associate Prof. Dr. Serdar MÜLDÜR – Vice President – Naval Combat System Programs
smuldur@havelan.com.tr
- Prof. Dr. Hayri SEVER - Hacettepe University, Computer Engineering Department
Tel: +90 537 983 84 70
- Prof. Dr. Mehmet Reşit TOLUN - Chairman of Çankaya University, Computer Engineering Department – tolun@cankaya.edu.tr – Tel: +90 312 284 45 00 / 163
- Asst. Prof. Dr. Abdulkadir GÖRÜR - Çankaya University, Computer Engineering Department
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