

CAN ILHAN

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Date of Birth:	23.03.1984	Home Phone (TR):	+90 242 243 0079
Nationality:	Turkish	GSM Phone (USA):	+90 535 921 8252
College:	Columbia University New York/NY USA	Home:	Maslak/Istanbul TURKEY
Marital Status:	Single		
Military Obligation:	Fulfilled between 08/2010 – 01/2011		

Experience

10/2008 – 08/2010	AirTies Wireless Networks – R&D Engineer	Istanbul, TURKEY
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Worked as Software Engineer in wireless department and involved in 4 different projects, with increased importance and responsibility.

- Implementing WPA/WPA2 security for WDS links.
- Developing & R&D Leading AirTies patented technology called AirTouch.
- R&D Leading Air5450v3, flagship ADSL modem for that time.

Education

2007 – 2008	Columbia University	New York, USA
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The Fu Foundation School of Engineering and Applied Science
Master of Science in Electrical Engineering (MSEE).

- **3.75/4.00** GPA.
- Graduated with High Honor.

2002 – 2007	Sabanci University	Istanbul, TURKEY
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Faculty of Engineering and Natural Sciences (FENS)
Bachelor Science in Telecommunication Program (BSTE)

- **3.68/4.00** GPA.
- Graduated with High Honor.

1999 – 2002	Antalya College Science School	Antalya, TURKEY
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- **5.00/5.00** GPA.
- Graduated with Top Honors, summa cum laude.

Internship

2006	Texas Instruments	Istanbul, TURKEY
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- 8 week internship at TI Istanbul
- Using Zigbee technology, synchronising digital clocks where each clock mimic as a node in a point to multipoint sensor network.

Achievements

2002	SU Honor Scholarship (tuition, living expences)
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- Ranking **3rd** among the applicants entering to Sabanci University in 2002.

2002	Nationwide University Entrance Examination (OSS)
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- **309th** among **1.5 million** applicants at the annual central national university entrance exam in 2002 (SAT-like exam).

Skills & Languages

Programming Skills

C, C++, C#, Java, Matlab, PHP, SQL, Assembly, VHDL, OpenCv

Work Environments

UNIX/Linux, Windows, MS Visual Studio, MS Office, MS Project

Languages (reading, writing and speaking)

Turkish (native), English (advanced), German (intermediate)

Academic Activities & Projects

2004	Robot Design and Competition <ul style="list-style-type: none">Constructing a robot, based on boe-board and programming it to meet the requirements of the national competition among other participants.
2006	Computer Based Oscilloscope <ul style="list-style-type: none">Creating the hardware components of a simple oscilloscope, writing an assembly program for displaying signal voltages on the computer screen using printer port.
2007	Licence Plate Recognition (LPR) <ul style="list-style-type: none">Recognizing the license plate of the cars that is entering a parking lot and saving it to a database using MATLAB.
2007	Simple CPU Design and Implementation <ul style="list-style-type: none">Using MIPS architecture and instruction set, coding a simple CPU using Xilinx and Modelsim, where verilog is the main language. It is then implemented on FPGA board.
2007	Business Plan of a Coffee Shop <ul style="list-style-type: none">In a group of three, writing a detailed business plan for a coffee shop to convince the bank to get the loan.
2006-2007	Senior Project – Constructing RoofNet Like Mesh Network <ul style="list-style-type: none">Implementing open source mesh network applications, specifically MIT's roofnet project, constructing a similar mesh network on campus. Trying different routing algorithms on Linux based nodes, finding the most efficient system for streaming real time video.
2007	Acoustic Echo Cancellation <ul style="list-style-type: none">For VoIP applications, coding a filter in Matlab (acts as a linear equalizer) that can eliminate the echo caused by hands-free communication as well as environment (room reverb).
2008	Pelmanism – Embedded Systems Design Term Project <ul style="list-style-type: none">Using Altera DE2 board, implementing an interactive picture based memory game. C is used for software development and VHDL for hardware development.
2008	Directional Antennas – MiMo Simulation <ul style="list-style-type: none">Researching directional antennas – focusing on load balancing routing and directional MAC solutions. Also simulating its performance using MATLAB to test its proposed gains.
2008	Text Mining for Predicting Stock Prices <ul style="list-style-type: none">Using Weka (machine learning package) and Java, developing AI models to predict stock prices by classifying news articles as well as comparing the performances of different machine learning algorithms.

Non-Academic Activities & Projects

2003-2004	Civic Involvement Project <ul style="list-style-type: none">Helping poor students taking their education in an elementary school in the neighbourhood and guiding how to get over their on&off school problems.
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Social Activities & Interests

Memberships

- Sabancı University IEEE Student Branch President
- Computer Club
- Aviation Club

Interests

Tennis, Squash, Snowboard, Archery, Fitness, Swimming, Web Design, SEO, Photography