

# Furkan Çalışkan

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## Personal

### Interests

Software development, Open source software, Linux, Java, Python, Object oriented analysis & design, Mobile technologies, Computer networks, Embedded systems, Machine learning, Web mining

### Birthdate

April 26, 1987

### Nationality

Republic of Turkey

## Educational Background

### M.Sc

Istanbul Technical University, 2009 - ...  
Computer Science, [www.itu.edu.tr](http://www.itu.edu.tr)

### B.Sc

Sakarya University, 2005 - 2009  
Computer Engineering, [www.sau.edu.tr](http://www.sau.edu.tr)

CGPA: 3.51 / 4.0  
( Ranked as 2<sup>nd</sup> )

### High School

Hoca Ahmed Yesevi, 2001-2005  
CGPA: 4.96 / 5.0

### Languages Spoken

#### Turkish

Mother tongue

#### English

Fluent, both written and spoken

#### French

Beginner

## Experience

### TUBITAK / UEKAE – Pardus project (Internship)

My internship project was about adding Ad-hoc wireless connection support for well-known Turkish GNU/Linux distro Pardus. I finished it as intended. Still trying to contribute to this project.

## **Erođlu Yazılım (Internship)**

I worked on some server applications (squid, dansguardian) and iptables. I applied my studies on a CentOS GNU/Linux installed machine. I also installed & configured Trac project management software on same machine and wrote related know-how documents.

## **Endüstri Bilgisayar**

Freelance web programmer & designer. I designed couple of web sites with Adobe's well-known web tools and coded their backends with PHP/MySQL.

## **Knowledge**

### **Programming**

Java (Advanced), Python (Advanced), C (Good), C# (Good), PHP (Advanced), Asp.NET (Good), Javascript (Good), (X)HTML (Advanced), CSS (Advanced), x86 Assembly (Beginner),

### **GUI**

Qt/PyQt (Advanced), Swing (Good), Tk (Beginner), OpenGL (Beginner)

### **Operating Systems**

Pardus GNU/Linux (Advanced)  
Debian GNU/Linux (Advanced)  
CentOS GNU/Linux (Good)  
Windows Xp (Advanced)  
Windows 2000 (Advanced)  
Windows Vista/7 (Good)

### **Database Servers**

MySQL (Advanced), SQL Server (Good), Oracle (Good), MS Access (Good), PostgreSQL (Beginner)

### **Other Softwares**

Openoffice.org (Advanced), Microsoft Office (Advanced)  
Adobe Photoshop (Good), The GIMP (Beginner), Adobe Flash (Good), Adobe Dreamweaver (Good)

## Projects

### **Design & implementation of an e-learning system for real-time systems laboratory [2009]**

It was my thesis project. I developed an e-learning system that is based on VPN and remote desktop technologies controlled by a Php/MySQL powered reservation web-site. Using this system users can book the laboratory for a specific range of time and using related tools they can connect to VPN and use the laboratory environment (PLC, engines, etc..) Also they can see their experiments via IP camera. For this project, I designed and configured a Debian GNU/Linux based gateway machine. It is being used for VPN, MySQL, web (Apache2) and mail (sendmail) requirements. I did all configurations for this applications.

### **Ad-hoc wireless connection support for Pardus GNU/Linux [2008]**

I added Ad-hoc wireless connection support for well-known Pardus GNU/Linux operating system's network-manager. I used Python and PyQt while coding it. It is being released with Pardus now.

Pardus: <http://www.pardus.org.tr>

### **Generic project management software [2008]**

It is a general-purpose project management software that is developed for "IBM Yazılım Akademisi" competition. It was developed with IBM well-known technologies (Db2, Rational, Websphere) via Java using JSF/JSP etc. web technologies. I configured development environment (Subversion, Db2, etc..) and developed necessary modules for software's itself.

### **Hotel automation software [2007]**

It was developed for an assignment with Java & Oracle 10g XE under Debian GNU/Linux. Finished as intended. (Homework for: *Introduction to Database management systems* class)

### **Personal module software [2007]**

It was developed for an assignment with Java & Oracle 10g XE under Pardus GNU/Linux. Finished as intended. (Homework for: *Database design & applications* class)

### **Zargan client [2007]**

It was developed for using the well-known online English-Turkish dictionary Zargan from the desktop. It was coded with Python & Tk using some cute Python third-part modules in my spare times.

### **DFIT (Disk files info tool) [2006]**

It was developed for getting hard-disk fullness information from a distance Linux machine via SSH protocol. It was developed using Python & Tk with some extra libraries.

### **Flash based interactive web site project [2001]**

I developed this site when I was a junior in high-school and became a finalist in BITEK-O competition. BITEK-O was a Microsoft, Milliyet (well-known newspaper in Turkey) and Sabancı University supported competition for high-school students. I used Actionscript and some various graphic editing softwares with Flash 5.

## **Award and Honors**

### **Sakarya University Honour Roll**

Honour/High honour in all semesters.  
Graduated as 2<sup>nd</sup> in class with high honour.

### **Bitek-O Tech. Competition**

Web design finalist (2001) - Wild web

### **Bitek-O Tech. Competition**

R & D finalist (2003) - Easing the automobile parking pain via technology (EAPPT) project

## **Additional Information**

**Gender**

Male

**Marial Status**

Single

**Driver's License**

Class B

**Smoker**

No

**Memberships**

Linux Users Association of Turkey (LKD)

**Hobbies**

Literature, science, cinema, computer games, swimming

## **Publications**

- Introduction to squid, dansguardian, iptables and webmin. A step-by-step guide using CentOS.
- Installing Trac project management software on CentOS.
- Introduction to Django web framework
- What is free-software? (Published on school magazine)

## **Teaching / Seminars**

- I gave a 4-week Java course to ~30 computer engineer students generally in their 2<sup>nd</sup> or 3<sup>rd</sup> class. I talked about basics of Java platform and Java programming. #