

Merdivenköyüolu Sokak  
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Nationality : Turkish  
Age : 29  
Driving License : Yes  
Military Service : Completed

## KORAY BALCI

### FUNCTIONAL SUMMARY

- Computer Languages: C/C++, Pascal, Prolog, Lisp, Assembler (8051)
- Technologies: OOP/OOD, UML, Design Patterns, STL, OpenGL, WIN32 API, MFC, QT, COM/ActiveX, XML, HTML, TCP/IP
- Operating Systems: MS Windows 9x/NT/XP, Unix/Linux
- Tools: Visual SourceSafe, Subversion, CVS, Doxygen, Adobe Photoshop, Matlab

### PROFESSIONAL EXPERIENCE

**2002 - Present ITC-irst, Scientific Research Institute** Trento, ITALY

<http://tcc.itc.it/>

Senior Research Engineer, *Cognitive and Communication Technologies Group*

- PF-STAR Project (EU funded) <http://pfstar.itc.it/>
  - Xface: MPEG-4 compliant 3D talking head implementation. <http://xface.itc.it/>
  - Annotation (XML) parser and verifier for videos.

**2000 - 2002 INRIA–Loria, Scientific Research Institute** Nancy, FRANCE

<http://www.loria.fr/equipes/parole/>

Software Engineer, *Speech Processing Group*

- Talking Head project
  - OpenGL Talking Head interface
  - Image acquisition using two cameras
  - Construction of 3D face mesh through 2D data
- Snoori ActiveX project
  - Design of OO architecture
  - Implementation of ActiveX based Speech Analysis Tools

**1998 - 2000 TUBITAK–Bilten, Scientific Research Institute** Ankara, TURKEY

<http://www.bilten.metu.edu.tr>

Research Engineer, *Signal Processing Group*

- BALISTIKA project, a forensic application
  - DLL and ActiveX implementation.
  - Automatic image-focusing algorithm implementation.
  - GUI development on live video image.
  - Feature extraction routines.
  - PCB design for step motor controlling
  - Microcontroller (Intel 8051) assembly programming.
- Classification of Marble Tiles project.
  - Image acquisition from camera.
  - Color image segmentation.
  - GUI programming.

**1997 - 1998 Islem GIS, GIS solution provider** Ankara, TURKEY

<http://www.islem.com.tr>

Part-time Programmer

- Development of a Windows DLL for drawing map symbols.
- Development of Symbol Editor (GUI) package for preparing map symbols.
- ActiveX implementation for SDE users in GIS programming.

### EDUCATION

**1998 – 2001 Middle East Technical University, MSc** Ankara, TURKEY

**Cognitive Sciences**

Thesis Topic: “Cognitive and Computational Aspects of Gender Estimation from Face

Images”

**1993 - 1998 Middle East Technical University, BSc**

Ankara, TURKEY

**Electrical and Electronics Engineering**

- Specialized in computer track
- Graduation Project: “Programming and Designing an Architecture for Transputers”

## LANGUAGES

- English: Fluent (>10 years)
- French: Intermediate (2 years)
- Italian: Intermediate (2 years)
- Turkish: Mother tongue

References and publication list are available upon request