

Cansın Yıldız

Curriculum Vitae – March 2010

Bilkent University

Department of Computer Science

06800, Ankara, Turkey.

cansin@cs.bilkent.edu.tr

<http://cs.bilkent.edu.tr/~cansin>

I. RESEARCH INTERESTS

Computer Graphics, Human-Computer Interaction, Virtual/Augmented Reality, Mobile/Ubiquitous Computing.

II. EDUCATION

- **Bilkent University, Turkey**, M.S. in Computer Engineering. 2011 (Expected).
Advisor: Asst. Prof. Dr. Tolga Çapın
CGPA: 3.93/4.00
- **Middle East Technical University, Turkey**, B.S. in Computer Engineering. 2009.
CGPA: 3.70/3.70

III. WORK EXPERIENCE

- **Bilkent University, Turkey, Teaching Assistant.** Sep 2009 –.
 - CS102 Algorithms and Programming II. Spring 2009/10.
 - CS101 Algorithms and Programming I. Fall 2009/10.
- **Bilkent University, Turkey, Research Assistant.** Sep 2009 – Feb 2010.
 - 3dPhone, a European Union funded project by the EC 7th Framework Programme.
 - Worked on OpenREng, a small, simple open-source rendering engine that uses OpenGL ES 2.0 - OpenGL 3.0 API
 - Developed Geometric Primitive Package for OpenREng. Mostly involved in intersection, containment tests, along with translation, rotation and scale routines.
- **Siemens EC, Middle East Technical University Technopolis, Turkey, Intern.** Jun 2008 – Sep 2008.
 - Developed Server/Client Applications using technologies like SIP, Mozilla XUL, and Berkeley Sockets.
- **Simsoft, Middle East Technical University Technopolis, Turkey, Intern.** Jun 2007 – Sep 2007.
 - Developed a platform independent GUI, designed to edit .XML files of certain .XSD; using libraries Qt 4.3, and CodeSynthesis XSD.

IV. PROGRAMMING SKILLS

- **Operating Systems:** GNU/Linux and Windows.
- **IDEs:** Netbeans, Eclipse, and Visual Studio 2005.
- **Proficient:** C++, C, and Java.
- **Graphics:** OpenGL.
- **J2EE:** EJB3, JSP/Servlet.
- **Web Development:** PHP, XHTML, CSS, MySQL, and JavaScript.
- **Misc.:** XML, XSL – XSLT, XSD.
- **Familiar:** Lisp/Scheme, Haskell, Prolog, PIC Assembly, MATLAB.

V. OTHER SKILLS

- **Language:** Turkish (Native), English (Fluent, TOEFL iBT Score 98. Oct 2008.)
- **GRE:** Verbal 550, Quantitative 800, Analytical 3.0. Sep 2008.
- **Misc.:** Latex, SVN, Doxygen.

VI. SELECTED PROJECTS

- **Trees Swaying in Wind**, M.S. Application of Computer Graphics Project. Fall 2009/10.
 - Tree simulation, following a hybrid method of both physical equations and stochastic effects.
- **Cloud Simulation**, M.S. Computer Animation Project. Fall 2009/10.
 - Cellular automaton technique is used to simulate clouds, followed by Gaussian smoothing.
- **MuzikMekan**, B.S. Senior Project. Fall-Spring 2008/09.
 - Mobile social network, which suggests new venues to its users according to their musical taste (from Last.fm) and location (from GPS).
 - Google Android, EJB3, JSP/Servlet technologies.
- **Pirates of CEng**, B.S. Intro. to Computer Graphics Project. Fall 2008/09.
 - Turn-based sailing game, including a map editor and animation.

VII. ACHIEVEMENTS

- **Received National Scholarship** for M.S. Students from TUBITAK: The Scientific and Technological Research Council of Turkey. 2009 –.
- **Received Scholarship** for M.S. studies from Bilkent University, Turkey. 2009 –.
- **Ranked 6th** at B.S. Graduation from Computer Engineering, Middle East Technical University, Turkey. 2009.
- **Entered Dean's High Honor List** at Middle East Technical University for 7 times. 2004 – 2009.
- **Ranked 3rd** at Senior Project Contest of Computer Engineering, Middle East Technical University, Turkey. 2009.
- **Received Best Looking Project Award** at Intro. to Computer Graphics Course, Computer Engineering, Middle East Technical University, Turkey. 2009.
- **Ranked 358th** among 1.8 million participants in National University Entrance Exam. 2004.

VIII. PERSONAL INFO

- **Gender:** Male.
- **Birth:** 26 Jan 1988, Istanbul, Turkey.
- **Organization:** Computer Club, Middle East Technical University, Turkey.
 - **Member of the Supervisory Board.** Sep 2008 – Sep 2009.
 - **Member of the Management Board.** Sep 2007 – Sep 2008.
 - **Principal Coordinator of 11th National Programming Contest.** Sep 2007 – Sep 2008.
 - **Coordinator of Game Project Group.** Sep 2006 – Sep 2007.
- **Interests:**
 - Mid-core PC Gamer. 1997 –.
 - Casual Table Tennis Player. 1998 –.