

Fırat Kalaycılar

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- EDUCATION
- ◇ **Brown University**, Providence, Rhode Island
Ph.D. in Engineering (Electrical Sciences and Computer Engineering)
CGPA: *3.85/4.00*
Advisor: *Prof. Benjamin B. Kimia*
(Fall 2009 - present)
 - ◇ **Bilkent University**, Ankara, Turkey
M.Sc. in Computer Engineering
CGPA: *3.93/4.00*
Thesis Title: *An Object Recognition Framework Using Contextual Interactions Among Objects*
Advisor: *Prof. Selim Aksoy*
(Fall 2007 - Summer 2009)
 - ◇ **Middle East Technical University (METU)**, Ankara, Turkey
B.Sc. in Computer Engineering
CGPA: *3.77/4.00*
Senior Project: *Asynchronous JavaScript and XML (AJAX) Development Plug-in for Eclipse*
(Fall 2003 - Spring 2007)
- WORK EXPERIENCE
- ◇ **Research Assistantship**, Laboratory for Engineering Man/Machine Systems (LEMS), Brown University. (*June 2010 - August 2010, January 2011 - present*)
 - ◇ **Teaching Assistantship**, School of Engineering, Brown University.
(*September 2010 - December 2010*)
 - ENGN 1570 - Linear System Analysis
 - ◇ **Research Assistantship**, RETINA Vision and Learning Group, Bilkent University.
(*September 2007 - August 2009*)
 - ◇ **Teaching Assistantship**, Department of Computer Engineering, Bilkent University.
(*September 2007 - June 2009*)
 - CS 418 - eBusiness Technologies and Business Solutions using eBusiness Patterns and Technologies
 - CS 201 - Fundamental Structures of Computer Science I
 - CS 101 - Algorithms & Programming I
 - ◇ **Undergraduate Teaching Assistantship**, Department of Computer Engineering, METU.
(*October 2006 - June 2007*)
 - CENG 230 - Introduction to C Programming
 - ◇ **Internship**, Microsoft Summer School, Ankara.
(*July 2006*)
 - ◇ **Internship**, Command and Control Information Systems, HAVELSAN, Ankara.
(*August 2005 - September 2005*)

- GRADUATE COURSEWORK
- ◇ **Brown University (Fall 2009 - present)**
 - APMA 1690 - Computational Probability and Statistics
 - APMA 1710 - Information Theory
 - APMA 2610 - Recent Applications of Probability and Statistics
 - ENGN 2010/2020 - Mathematical Methods of Engineers and Physicists
 - ENGN 2500 - Medical Image Analysis
 - ENGN 2560 - Computer Vision
 - ENGN 2910X - Video Processing
 - ENGN 2980 - Special Projects, Reading, Research and Design
 - MATH 1060 - Differential Geometry
 - ◇ **Bilkent University (Fall 2007 - Spring 2009)**
 - CS 527/528 - Advances in Switching Networks
 - CS 533 - Information Retrieval Systems
 - CS 551 - Pattern Recognition
 - CS 554 - Computer Vision
 - CS 565 - Application of Computer Graphics
 - CS 578 - Natural Language Processing
 - CS 590 - Research Topics
 - IE 523 - Probabilistic Analysis
- RESEARCH INTERESTS
- ◇ Object recognition.
 - ◇ Image segmentation.
 - ◇ Scene understanding.
 - ◇ Medical image analysis.
- PUBLICATIONS
- ◇ Daniya Zamalieva, **Firat Kalaycilar**, Aslı Kale, Selen Pehlivan, Fazlı Can, *Stylistic Document Retrieval for Turkish*, in 24th International Symposium on Computer and Information Sciences (ISCIS 2009), Northern Cyprus, September 14-16, 2009.
 - ◇ **Firat Kalaycilar**, *An Object Recognition Framework Using Contextual Interactions Among Objects*, M.Sc. Thesis, Bilkent University, Ankara, Turkey, August 2009.
 - ◇ **Firat Kalaycilar**, Selim Aksoy, *Bağlamsal Çıkarım ile Nesne Sezimi (Object Detection with Contextual Inference)*, in 17. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2009), Antalya, Turkey, April 9-11, 2009.
 - ◇ **Firat Kalaycilar**, İlyas Çiçekli, *TurKeyX: Turkish Keyphrase Extractor*, in 23rd International Symposium on Computer and Information Sciences (ISCIS 2008), Istanbul, Turkey, October 27-29, 2008.
 - ◇ **Firat Kalaycilar**, Aslı Kale, Daniya Zamalieva, Selim Aksoy, *Mining of Remote Sensing Image Archives Using Spatial Relationship Histograms*, in IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2008), Boston, Massachusetts, July 6-11, 2008.
- ACHIEVEMENTS
- ◇ Brown University Fellowship (September 2009 - May 2010).
 - ◇ TUBITAK (Scientific and Technological Research Council of Turkey) Fellowship (Fall 2007 - Spring 2009).
 - ◇ Ranked 2nd in graduation from METU Computer Engineering Department (Spring 2007).
 - ◇ *Certificate of Outstanding Achievement* from METU Computer Engineering Department (Spring 2006, Spring 2007).

Firat Kalaycilar

- ◇ Ranked 3rd in 75kg male kumite in Ankara Karate Championship (*February 2006*).
- ◇ Ranked 1st in METU Computer Engineering Department (Fall 2004).
- ◇ Dean's High Honor List: *2003-2004 (Fall, Spring), 2004-2005 (Fall), 2005-2006 (Fall, Spring), 2006-2007 (Fall, Spring)*.
- ◇ Dean's Honor List: *2004-2005 (Spring)*.

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