

Ulas Bardak

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Objective My main interest is applying my experience in various areas of computer science, in particular my research in preference elicitation, to solving real world problems.

Education **Carnegie Mellon University** **Pittsburgh, PA**
2003 – 2007 Ph.D. Program in Language Technologies under School of Computer Science
QPA: n/a
Relevant Courses: Natural Language Processing Lab, Interactive Dialog Systems Lab

Carnegie Mellon University **Pittsburgh, PA**
2001 – 2003 M.S. in Language Technologies under School of Computer Science
QPA: 3.85 / 4.00
Relevant Courses: Algorithms For Natural Language Processing, Grammars and Lexicons, Information Retrieval, Software Engineering for Information Technology, Speech Recognition, Machine Learning(PhD level), Machine Translation, Perceptive Computing

Carnegie Mellon University **Pittsburgh, PA**
1997 – 2001 B.S. in Computer Science and minor in Physics
QPA: 3.67 / 4.00 Graduated With University Honors and College Research Honors
Relevant Courses: Senior Thesis in CS; Systems Level Programming; Artificial Intelligence Representation and Problem Solving; Robotic Manipulation; Algorithms; Networks; Basic Logic; Modern Mathematics; Mathematical Foundations of Computer Science; Probability and Random Processes; Multimedia Information Processing

Teaching Experience **Carnegie Mellon University** **Pittsburgh, PA**
Teaching Assistant for: Networks (15-451) Fall 2002 Semester, Databases (15-441), Fall 2001, Fall 2002 Semesters, Artificial Intelligence (15-381), Spring 2000, Spring 2002 Semesters

Balkan Olympiad in Informatics **Ankara, Turkey**
Deputy Team Leader, June 1998 - August 1998
Chosen and hired by the government to be the deputy team leader of the national team that participated in the Balkan Olympiads. Took part in choosing the team members and preparing the team for the competition by giving lectures to the team members.

Industrial Experience **Microsoft Corporation – Natural Language Group** **Seattle, WA**
Software Development Engineer, Summer 2002
Designed and implemented a tool for deriving synonyms/correlated words from a corpus as well as techniques for augmenting a larger corpus with a smaller specialized corpus in order to get better domain specific results.

Projects ***RADAR:*** Reflective Agent with Distributed Adaptive Reasoning – primarily working on developing novel information elicitation techniques.
CLAIR: Research project about multimedia question answering through data mining from web pages.
CIRCA: Online collaboration tool developed in Java and Flash.
TERMINAL TIME: Interactive story generation (as a part of Senior Thesis in Computer Science at Carnegie Mellon University).

Publications Ashish Venugopal, Ulas Bardak, Vasco Pedro and Sriram Gollapalli (2002) *Innovations in Community Building Groupware*, ICWI 2002.
Yang Cai, Yongxiang Hu, Mel Siegel, Ulas Bardak, Ashish Venugopal, Sriram Gollapalli (2003) *Onboard Feature Indexing from Satellite Lidar Images*, IEEE IWADC 2003.
U. Bardak, E. Fink, C. R. Martens, and J. G. Carbonell. *Scheduling with uncertain resources: Elicitation of additional data*, IEEE SMC 2006.
U. Bardak, E. Fink, and J. G. Carbonell. *Scheduling with uncertain resources: Representation and utility function*. Best Student Paper Finalist, IEEE SMC, 2006.
E. Fink, U. Bardak, B. Rothrock and J. G. Carbonell. *Scheduling with uncertain resources: Collaboration with the User*. IEEE SMC, 2006.

Eugene Fink, Matt Jennings, Ulas Bardak, June Oh, Stephen F. Smith, and Jaime G. Carbonell. *Scheduling with uncertain resources: Search for a Near-Optimal Solution*. IEEE SMC, 2006.
Ashish Venugopal, U. Bardak, V. Pedro and S. Gollapalli (2002) *Innovations in Community Building Groupware*, ICWI 2002.
Y. Cai, Y. Hu, M.Siegel, U. Bardak, A. Venugopal, S. Gollapalli (2003) *Onboard Feature Indexing from Satellite Lidar Images*, IEEE IWADC 2003.

Awards

Publication selected as “Best Student Paper” finalist for IEEE SMC 2006.
Honor Delegate of International Academy of Achievement 2003. Siebel Scholar 2003.
LTI teaching scholarship at CMU which covered my tuition during M.Sc.
Included in the *Dean’s List* of School of Computer Science in Carnegie Mellon for Fall 1997, Spring 1999, Fall 1999, Spring 2000, Fall 2000 and Spring 2001.
Granted Full Scholarship by Cyprus – America Scholarship program through *Cyprus Fullbright Commission*.
Accepted for membership and is a member of *National Society of Collegiate Scholars*.

Skills

Computer Languages: C#, Java, C, C++, Standard ML, Visual Basic, Digital Alpha Assembly; Advanced Control Language for Robotic Manipulation
Human Languages: English, Turkish, Japanese (intermediate)
Platforms: Microsoft Windows 3.1/95/98/2K/XP, MS-DOS 5.0 – 7.1, MacOS 7.6.1 – 8.1, various Unices (Solaris 2.5.1 – 2.6, Digital UNIX, HP-UX, SGI IRIX, DEC ULTRIX, Red Hat Linux 4.2 – 5, Andrew Linux) and shells (Bash, csh, tcsh).