

HALIT ERDOGAN

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EDUCATION

- 9/2011 - PRESENT PhD in Computer Sciences, University of Wisconsin, Madison / USA.
- 9/2009 - 8/2011 MS in Computer Science and Engineering, Sabanci University, Istanbul / Turkey. **GPA: 3.85 / 4.00.**
- 9/2004 - 6/2009 BS in Computer Science and Engineering, Sabanci University, Istanbul / Turkey. **GPA: 3.73 / 4.00.**
- 1/2008 - 6/2008 Exchange Student in Computer Science, Uppsala University, Uppsala / Sweden.
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WORK EXPERIENCE

- 2011 FALL Teaching Assistant (University of Wisconsin): *CS 302 - Introduction to Programming*
- 2009 FALL - 2011 SPRING Research Assistant (Sabanci University)
- 2011 SPRING Teaching Assistant (Sabanci University): *CS 306 - Database Systems*
- 2010 SUMMER Teaching Assistant (Sabanci University): *CS 201 - Introduction to Programming*
- 2010 FALL Teaching Assistant (Sabanci University): *CS 404 - Artificial Intelligence*
- 2009 FALL Teaching Assistant (Sabanci University): *CS 301 - Algorithms*
- 2007 SUMMER Software Engineer Intern (Aydin Software Solutions, Turkey)
Developed a license management module which provides a networked licensing (via server-client architecture) for software products. The module can be integrated with all the software systems that are developed by the company and prevents using the products without a license.
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PUBLICATIONS

13. T. Eiter, E. Erdem, H. Erdogan, and M. Fink. **Finding Similar or Diverse Solutions in Answer Set Programming.** *Theory and Practice of Logic Programming (Journal)*, Cambridge University Press, 2011.
12. D. Cakmak, E. Erdem, and H. Erdogan. **Computing Weighted Solutions in ASP: Representation-Based Method vs. Search-Based Method.** *Annals of Mathematics and Artificial Intelligence (Journal)*, Springer Press, 2011.
11. E. Erdem, Y. Erdem, H. Erdogan, and U. Oztok. **Finding Answers and Generating Explanations for Complex Biomedical Queries.** *In Proc. of the 25th AAAI Conference on Artificial Intelligence*, AAAI Press, 2011.
10. H. Erdogan, and M. S. Apaydin **Incorporating HADAMAC experiment into NVR for NMR Structure-Based Assignments.** *In Proc. of the 6th International Symposium on Health Informatics and Bioinformatics*, 2011.
9. H. Erdogan, U. Oztok, Y. Erdem, and E. Erdem. **Querying Biomedical Ontologies in Natural Language using Answer Set Programming.** *In Proc. of the Semantic Web Applications and Tools for Life Sciences*, 2010.
8. D. Cakmak, E. Erdem, and H. Erdogan. **Computing Weighted Solutions in ASP: Representation-Based Method vs. Search-Based Method.** *In Proc. of the 17th International Workshop on Experimental Evaluation of Algorithms for Solving Problems with Combinatorial Explosion*, 2010.
7. H. Erdogan, O. Bodenreider, and E. Erdem. **Finding Semantic Inconsistencies in UMLS using Answer Set Programming.** *In Proc. of the 24th AAAI Conference on Artificial Intelligence*, AAAI Press, 2010.
6. H. Erdogan. **Quantifying Solutions in Answer Set Programming.** *In Proc. of the 1st Computer Science Workshop*, 2010.

5. H. Erdogan, and M. S. Apaydin. **Using Amino Acid Typing to Improve the Accuracy of NMR Structure Based Assignments.** *In Proc. of the 5th International Symposium on Health Informatics and Bioinformatics*, IEEE Xplore, 2010.
 4. H. Erdogan, E. Erdem, and O. Bodenreider. **Exploiting UMLS Semantics for Checking Semantic Consistency among UMLS concepts.** *In Proc. of the 13th International Congress on Medical Informatics*, 2010.
 3. M. Celik, H. Erdogan, F. Tahaoglu, T. Uras, and E. Erdem. **Comparing ASP and CP on Four Grid Puzzles.** *In Proc. of the 16th International Workshop on Experimental Evaluation of Algorithms for Solving Problems with Combinatorial Explosion*, 2009.
 2. D. Cakmak, E. Erdem, and H. Erdogan. **Computing Weighted Solutions in Answer Set Programming.** *In Proc. of the 10th International Conference on Logic Programming and Nonmonotonic Reasoning*, Springer Press, 2009.
 1. T. Eiter, E. Erdem, H. Erdogan, and M. Fink. **Finding Similar or Diverse Solutions in Answer Set Programming.** *In Proc. of the 25th International Conference on Logic Programming*, Springer Press, 2009.
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SKILLS

Software Engineering: Reusable Software Design and Implementation (Advanced), Object-Oriented Programming (Advanced), Program Optimization (Advanced).

Imperative Programming Languages: C++ (Advanced), Java (Advanced), C# (Advanced), JavaScript (Intermediate), PHP (Intermediate).

Declarative Programming Languages: Integer Programming (Advanced), Constraint Programming (Advanced), Answer Set Programming (Advanced).

Other: UML (Advanced), SQL (Advanced), HTML (Advanced), Ajax (Intermediate), CSS (Intermediate).

SCHOLARSHIPS AND HONORS

Alumni Scholarship for excellence from CS Alumni Fund of University of Wisconsin-Madison, 2011.

Four year guaranteed full tuition and stipend funding from University of Wisconsin-Madison for PhD studies, 2011.

Dr. Gürsel Sönmez Research Award from Sabanci University which is given to four graduate students who have come into prominence with outstanding research in each year, 2011.

Publication Chair of Computer Science Workshop-Istanbul, 2011.

Best reviewer award from Computer Science Workshop-Istanbul Committee, 2010.

Full tuition scholarship from Sabanci University for Master's studies, 2009.

BIDEB stipend scholarship from The Scientific and Technological Research Council of Turkey throughout Master's studies in Turkey, 2009.

Graduated with high honor from Sabanci University, 2009.

Research project scholarship from The Scientific and Technological Research Council of Turkey for the expenses of distinguished undergraduate graduation project, 2009.

Dilek Sabanci Full Tuition Scholarship from Sabanci University which is given to 5 distinguished sophomores in each year, 2007.

Sakip Sabanci Full Tuition Scholarship from Sabanci University which is given to distinguished freshmen, 2006.

Third place in the Line-Follower Robot Competition at Sabanci University, 2006.

Merit Scholarship from Sabanci University for the undergraduate education, 2004.

CONFERENCES AND SUMMER SCHOOLS ATTENDED

APRIL 2011	Oberseminar at Spaletto / Italy (presented a paper)
APRIL 2010	International Symposium on Health Informatics and Bioinformatics (HIBIT'10) at Antalya / Turkey (presented a paper).
APRIL 2010	Oberseminar at Istanbul / Turkey (presented a paper)
FEBRUARY 2010	Computer Science Workshop (CSW'10) at Istanbul / Turkey (presented a paper and a poster).
DECEMBER 2009	International Scientific Conferences on Advances in Artificial Intelligence (AI*IA'09) at Reggio Emilia / Italy (presented a paper).
SEPTEMBER 2009	International Conference on Automated Planning and Scheduling (ICAPS'09) Summer School at Thessaloniki / Greece.
JULY 2009	International Conference on Logic Programming (ICLP'09) at Pasadena, CA / USA (presented a paper).
DECEMBER 2008	International Conference on Logic Programming (ICLP'08) at Udine / Italy.
SEPTEMBER 2008	Reasoning Web / Semantic Web Summer School at Venice / Italy.

GRADUATE LEVEL COURSES TAKEN

University of Wisconsin-Madison

- Machine Learning (currently enrolled).
- Advanced Natural Language Processing (currently enrolled).

Sabanci University

- Advanced Artificial Intelligence.
- Advanced Data Structures and Algorithms.
- Information Retrieval.
- Knowledge Representation and Reasoning.
- Graph Theory and Network Flows.
- Software Engineering.
- Cognitive Robotics.
- Advanced Bioinformatics.

Uppsala University

- Machine Learning.
 - Algorithmic Problem Solving.
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REFERENCES

Available upon request.