

A. ISIL DILLIG (OZGENER)

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EDUCATION:

- 2006-present PhD student in Computer Science
Stanford University, CA
Advisor: Alex Aiken
GPA: 4.3/4.0
- 2002-2006 Bachelor of Science (B.S)
Stanford University, CA
Major: Computer Science (with honors and distinction)
Overall GPA: 4.14/4.00
Major GPA: 4.19/4.00
- 1995-2002 Robert College, Istanbul (High school)
GPA: 97.2/100 (graduated as valedictorian)

RESEARCH INTERESTS:

Software verification and decision procedures.

PUBLICATIONS:

- Cuts from Proofs: A Complete and Practical Technique for Solving Linear Inequalities over Integers. Isil Dillig, Thomas Dillig, Alex Aiken. Proceedings of the Conference on Computer Aided Verification (CAV), July 2009.
- Sound, Complete, and Scalable Path-Sensitive Analysis. Isil Dillig, Thomas Dillig, Alex Aiken. Proceedings of the Conference on Programming Language Design and Implementation, June 2008.
- The CLOSER: Automating Resource Management in Java. Isil Dillig, Thomas Dillig, Eran Yahav, Satish Chandra. Proceedings of the International Symposium on Memory Management, June 2008.

- [Static Error Detection Using Semantic Inconsistency Inference](#). Isil Dillig, Thomas Dillig, Alex Aiken. Proceedings of the Conference on Programming Language Design and Implementation, pages 435-446, June 2007.
- [An Overview of the Saturn Project](#). A. Aiken, S. Bugrara, I. Dillig, T. Dillig, P. Hawkins and B. Hackett. Proceedings of the Workshop on Program Analysis for Software Tools and Engineering, pages 43-48, June 2007.
- [A Flow-, Path-, and Context-Sensitive Null Dereference Analysis for C Programs](#). Isil Dillig. Undergraduate Honors Thesis, Stanford University, June 2006.
- [Publishing Content on the Web: Data Management Fitting Any Structure](#). Isil Dillig, Thomas Dillig. Stanford Undergraduate Research Journal, Issue: Spring 2005.

HONORS SOCIETIES:

- Phi Beta Kappa Society

AWARDS:

- 2008-2010: Recipient of the Stanford Graduate Fellowship
- 2006-2007: Recipient of Forbes School of Engineering Fellowship
- 2006: Wegbreit Award for the Best Undergraduate Honors Thesis in Computer Science. Stanford University.
- 2006: [Firestone Medal](#) for Excellence in Undergraduate Research. Stanford University.
- 2006: Frederick Emmons Terman Engineering Scholastic Award for outstanding achievement in engineering. Stanford University.
- 2002: Mary Mills Patrick Award for highest GPA at Robert College. Robert College, Istanbul.
- 2002: Dora Aksoy Award for Excellence in Mathematics. Robert College, Istanbul.
- 2002: Aysun Sualp Award for excellence in arts and science . Robert College, Istanbul.

WORK AND RESEARCH EXPERIENCE:

- **SATURN Project, Stanford Computer Science Department**
 - 2005-2008
 - Advisor: Alex Aiken
 - Undergraduate and Graduate Research Assistant
 - Work on automatically finding memory safety errors in very large C programs, including the Linux Kernel
- **Intern, IBM T.J Watson Research Lab, Hawthorne, NY.**
 - June 2007-September 2007.

- Mentors: Satish Chandra and Eran Yahav
- I worked on automating resource management in Java programs.

- **Carnegie Institution of Washington, Biology Department**

- Summer 2004
- Undergraduate summer intern
- Developed a dynamic web content management system

PROGRAMMING SKILLS:

- Experienced C, C++, and Java programmer.
- Proficient O'Camel and LISP programmer.
- Experienced with web-programming (PHP, HTML)

LANGUAGES:

- Native fluency in English
- Fluent in German
- Basic French
- Native fluency in Turkish

CITIZENSHIP:

Turkish