

RESUME AUGUST 2009

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Franz-von-Reber-Str. 7
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Education:

2006-now: Stanford University, PhD student Computer Science (GPA: 4.3)
2002-2006: Stanford University, BS in computer science with honors and distinction (Major GPA: 4.1, Overall GPA: 3.97)
2000-2002: Gymnasium Starnberg (Abitur grade: 1.0)
1999-2000: Aquinas High School, David City, Nebraska (USA)
1992-1999: Gymnasium Starnberg

Honors and Awards:

2006-2007: Recipient of the John D. and Mary L. Carpenter Fellowship, Stanford School of Engineering
2005-2006: Computer Science honors student, Stanford University
2005: Stanford Undergraduate Research Award (for publication in the Stanford Undergraduate Research Journal 2005)
2002: Award for best research graduation thesis, Deutsche Physikalische Gesellschaft (German Physics Association)
2002: Winner of "Jugend Forscht" with a thermodynamics simulation
2001-2002: Elmar-von-Trauwitz award for best academic performance

Publications:

- 2009: "Cuts from Proofs: A Complete and Practical Technique for Solving Linear Inequalities over Integers". Isil Dillig, Thomas Dillig and Alex Aiken. In Conference on Computer Aided Verification (CAV) June 2009
- 2008: "Sound, Complete, and Scalable Path-Sensitive Analysis". Isil Dillig, Thomas Dillig and Alex Aiken. In Conference on Programming Language Design and Implementation (PLDI). June 2008
- 2008: "The CLOSER: Automating Resource Management in Java". Isil Dillig, Thomas Dillig, Eran Yahav and Satish Chandra. In International Symposium on Memory Management (ISMM). June 2008.
- 2007: "Static Error Detection using Semantic Inconsistency Inference". Isil Dillig, Thomas Dillig and Alex Aiken. In ACM SIGPLAN 2007 Conference on Programming Language Design and Implementation (PLDI). June 2007.
- 2007: "An Overview of the Saturn Project". Alex Aiken, Suhabe Bugrara, Isil Dillig, Thomas Dillig, Brian Hackett and Peter Hawkins. In Workshop on Program Analysis for Software Tools and Engineering (PASTE) . June 2007.
- 2006 "A Precise SAT-Based Pointer Analysis Framework for the C Language". Thomas Dillig. Honors Thesis, Stanford University June 2006.
- 2005: "Publishing Content on the Web: Content Management Fitting Any Structure". Isil Dillig and Thomas Dillig. Stanford Undergraduate Research Journal, Issue: Spring 2005.

Research and Work:

- Summer 2007 Research Intern at IBM T.J. Watson Research Center
- 2006-2007: Residential Computing Coordinator
- 2005-2006: Honors thesis work, computer science department Stanford University.
- Summer 2005: Research with Prof. Aiken on the SATURN static analysis framework, computer science department Stanford University.

Fall 2005-2006: Honors independent research on static analysis, computer science department Stanford University

Summer 2004: Worked with the Carnegie research group led by Dr. Grossman and Dr. Bhaya and developed a dynamic web content management system. Carnegie Institute of Plant Biology, Stanford University.

2003: Section leader for CS 106B, Stanford University

Fall/Winter 2003: Initiated an independent research project with Prof. Wiederhold. Developed a new Stanford online application

1998-2002: Numerous projects , for example Intranet for Community Hospital Starnberg, Websites for Foerderverein Südbayerisches Schifffahrtsmuseum and Web Portal for Bavarian Ministry of Education

1998 Founding of my own computer company, t.w.r. soft

Languages

- Fluent in English
- Proficient in German

Programming Experience:

- Experienced in large C, C++, Java projects
- Experienced with large O'CAML projects
- Proficient in web development
- Experienced in OpenGL development
- Proficient in SQL database development
- Familiar with LISP
- Proficient in LINUX and UNIX development/administration

Citizenship:

- German Citizen