

# MARK JOSEPH REITBLATT

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## Personal

Born: 05 January 1987

U.S. Citizen

## Education

### Cornell University

PhD, Computer Science

Ithaca, New York

Fall 2010 - Current

### University of Texas at Austin

B.S., Turing Scholars Computer Science (Dept. Honors)

B.S., Pure Mathematics

Major GPA 3.85

Fall 2005 - Spring 2009

Fall 2005 - Spring 2009

## Work History

### Graduate Technical Intern

Intel

June 2009 - February 2010

Austin, TX

- Pre-silicon Validation
- Developed distributed Mur $\phi$  model checker in Erlang
- Converted existing testbenches from Specman/e to SystemVerilog

### Research Intern

National Instruments

August 2007 - May 2009

Austin, TX

- Automated formal verification system for LabVIEW/G (ACL2)

### Coop Programmer

IBM Linux Technology Center

May 2007 - August 2007

Austin, TX

- Xen/ABAT Speed Team
- Designed, implemented, integrated and supported internal product utilizing current virtualization technologies

### Coop Preprofessional Engineer

IBM

June 2006 - August 2006

Poughkeepsie, NY

- Maintained, updated, documented and expanded existing code base (Perl, C, ksh) built around Cadence CAD system

## Skills

**Selected Graduate Course Work:** Combinatorics, Formal Methods, Theory of Computation, Programming Languages

**Languages:** ACL2, Erlang, LabVIEW, Perl, Java, L<sup>A</sup>T<sub>E</sub>X

## Awards/Honors

- University Honors (Spring 2006 thru Spring 2008)
- College Scholar (2006-2009)
- Eagle Scout
- CRA Outstanding Undergraduate Research Award - Honorable Mention
- Unrestricted Endowed Presidential Scholarship

- Valero Award for Excellence in Computer Sciences and Engineering

## Organizations

- Turing Scholars Student Association (President 2007 - 2009)
- Junior Fellows
- Association of Computing Machinery
- Women in Computer Science
- UTCS Roadshow Outreach Team

– Alpha Lambda Delta/Phi Eta Sigma Honor Societies

– Upsilon Pi Epsilon CS Honor Society

## **Publications**

- Formal Verification of LabVIEW Programs Using the ACL2 Theorem Prover (with Jacob Kornerup and Matt Kaufmann). In Proceedings of ACL2 Workshop 2009
- A System for the Formal Verification of LabVIEW/G Diagrams. Available as Honors Thesis HR-09-06, Department of Computer Science, University of Texas at Austin