

# Curriculum Vitae

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## Work and Education Experience

- 2010-                      PhD in Computer Science (ongoing)  
                              ETH Zurich  
                              Subject: Combination of automated theorem proving and program verification  
                              Advisor: Prof. Peter Müller
- Developed a technique for a tighter integration between a theorem prover and a program verifier, rather than having the verifier use the prover as a black-box.  
                              Also did some work on the AST and type system of a verification tool project in the group: [Technical report](#)
- 2003-2009                Verification Engineer  
                              Intel Development Center, Haifa
- Validated one subunit of a CPU by developing a logical reference model and assertions and verifying them using a bounded model checking (BMC) tool. Combined BMC with testing and coverage for validating the parts of the unit where BMC is insufficient. Developed and maintained the reference model for successive version of the CPU.
- 2005-2008                MSc in Computer Science (Cum Laude)  
                              Tel Aviv University, Israel  
                              Thesis: Modular Verification with Shared Abstractions  
                              Advisor: Prof. Mooly Sagiv  
                              [Workshop publication](#)
- 2001-2004                BA in Mathematics with Computer Science (Cum Laude)  
                              Technion, Israel  
                              Academic project (with Sivan Bercovici) - physical simulation of objects using spring systems [Project page](#)

**Programming languages:** C++, Scala, C#, x86 assembly, some experience with OpenGL and Java

**Areas of interest:** Program verification, program analysis, automated theorem proving, compilation, programming languages, computer graphics - real-time rendering

**Personal Information**

Date of Birth : 18/01/1979

Citizenship : Israeli

Languages : Hebrew(native), English(fluent)