

# ADAM CHLIPALA

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Cambridge, MA

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## Objective

- Not currently seeking employment

## Specialties

- Computer theorem proving
  - ★ *Project*: Certified type-preserving compilers (<http://ltamer.sf.net/>)
  - ★ *Project*: Certified machine code safety analysis (<http://proofos.sf.net/>)
- Design, implementation, and analysis of functional programming languages
  - ★ *Project*: Statically-typed metaprogramming for web apps (<http://laconic.sf.net/>)
  - ★ *Project*: Static types for system configuration (<http://wiki.hcoop.net/DomTool>)

## Employment

- **Postdoctoral Fellow**, Harvard University, 6/2008 – ??
- **OCaml Hacker**, Jane Street Capital, 9/2007 – 4/2008
- **Graduate Student Researcher**, UC Berkeley CS Division, 9/2003 – 8/2007
- **Instructor**, computer theorem proving class, UC Berkeley CS Division, 8/2006 – 12/2006
- **Research Intern**, Microsoft Research Redmond, 6/2005 – 8/2005
- **Research Assistant**, CMU CS Department, 6/2002 – 5/2003
- **Software Developer**, Trifecta Technologies, Summers, 1998 - 2000

## Education

- **University of California, Berkeley**  
PhD, MS, Computer Science, 8/2003 – 9/2007, GPA: 4.0
- **Carnegie Mellon University**  
BS, Computer Science, 8/2000 – 5/2003, GPA: 4.0

## Software technologies

- **Expert on**: ML, Coq, C
- **Significant experience with**: F#, Java, SQL, x86 and Z80 assembly languages
- **Some experience with**: Haskell, C++, XSLT

## Academic honors

- **National Defense Science and Engineering Graduate Fellowship** winner, 2004
- **National Science Foundation Graduate Research Fellowship** winner, 2004

## Publications

- 4 papers published at peer-reviewed scholarly conferences; 5 at workshops; 1 journal article to appear