

Stephen A. Weis

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OBJECTIVE

Experienced software engineer seeks position at early-phase startup in the San Francisco Bay Area. Focused on cryptography and information security. Most skilled in Java with C/C++ and Python experience. Interests include cloud computing, algorithms, and finance. Highly self-motivated with strong verbal and written communication skills. Expected availability Fall 2010.

EXPERIENCE

Senior Software Engineer **Google, Inc.** Mountain View, CA 2006-Present

Developed security tools and practices as member of applied security team. Designed a highly scalable second-factor authentication system. Developed Keyczar open source cryptographic library. Built a web-based password management system. Conducted research on advertising fraud. Founded a security metrics group. Invented PseudoID privacy-preserving federated login systems. Taught cryptography course for employees. Performed security design reviews for a wide array of projects. Received Google Founder's Award for 2009 security incident response.

Instructor **MIT-AITI** Nairobi, Kenya Summer 2005

Taught Java and entrepreneurship courses to college and high school students as a volunteer for the MIT African Internet Technology Initiative

Researcher **RSA Laboratories** Bedford, MA Summer 2004

Conducted research in RFID and low-cost pervasive computing device security. Contributed to the EPC Global RFID standard by discovering flaws in random number generation specifications. Invented a highly-efficient authentication protocol appropriate for low-cost devices.

Software Engineer **Sun Microsystems** Burlington, MA Summer 2003

Implemented libpkix public-key certificate chain validation library in C as part of Sun's Internet Security Research Group. Developed certificate chain discovery algorithms.

EDUCATION

	Massachusetts Institute of Technology	
PhD	Computer Science, Financial Theory (minor)	2003-2006
MS	Computer Science	2001-2003

	University of California, Berkeley		
BA	Computer Science	High Honors	1996-2001
BS	Applied Mathematics	Highest Honors	1996-2001