Harold Cooper

Brooklyn, NY   http://syzygy.st

Jobs	**Ringly**	June 2014 - Present
	Building an Android app for Bluetooth jewelry.	
	Hunch acquired by **eBay**	April 2010 - March 2014
	Built taste-driven recommendation software.	
	Eversplosion	January - December 2009
	Built a novel functional reactive web framework, and used it to create a collaborative film website.	
	MIT Computer Science Department	January 2008 - May 2009
	Assisted teaching *6.005: Elements of Software Construction*, the required software design course.	
	MIT AI Lab	February 2006 - May 2009
	In Patrick Winston's *Genesis* group, performed AI research at the intersection of language and vision.	
	Dalian University of Technology	May - July 2005
	Set up China's first *iLabs* remote laboratory and taught courses in microelectronics and Java.	
	MIT Media Lab	January - December 2004
	In Marvin Minsky's *Commonsense Computing* group, created an intelligent, searchable database of shapes.	
	Institute for Arctic and Alpine Research	June 2001 - December 2002
	Modeled sedimentary flow.	
Schools	**Massachusetts Institute of Technology**	
	M.Eng. Electrical Engineering and Computer Science	June 2009
	B.S. Computer Science	February 2008
	B.S. Mathematics	February 2008
	Boulder High School	
	Valedictorian	June 2003

Projects

The Manhattan Grid extended to every point on Earth	http://extendny.com
Guitarist in rock band `FORTRAN`	https://facebook.com/123fortran
Persistent Java Collections	http://pcollections.org
Rigid linkage simulation, free-form spatial organizer	
Programmable audio effects pedal, numerical Python packages	

Technologies Python, Java, C, Haskell, Javascript, HTML, CSS, AJAX, jQuery, Django, SQL, NoSQL, OpenGL, AVR, *NIX, Git, LaTeX