

Harold Cooper

Brooklyn, NY <https://x.st>

Jobs	Heat Seek NYC	May 2014 – Present
	Volunteering as lead engineer, designing and building mesh sensor hardware and software for heating violations.	
	Ringly	June 2014 – January 2016
	Built the Ringly Android app for controlling smart jewelry, and built the ringly.com web infrastructure.	
	Hunch , acquired by eBay	April 2010 – March 2014
	Built large graph-based machine learning systems, APIs, and Bayesian inference models.	
	East Harlem Tutorial Program	January 2010 – May 2011
	Volunteered as a Java and robotics teacher for high school students.	
	Eversplosion	January – December 2009
	Built a novel functional reactive language and web framework.	
Degrees	MIT Computer Science Department	January 2008 – May 2009
	Assisted teaching <i>6.005</i> , the required software design course.	
	MIT AI Lab	February 2006 – May 2009
	Researched multimodal language and vision AI, with Professor Patrick Winston.	
	Dalian University of Technology , China	May – July 2005
	Taught courses in microelectronics and Java.	
	MIT Media Lab	January – December 2004
	Created a searchable database of shapes, in Professor Marvin Minsky's <i>Commonsense Computing</i> group.	
	Institute for Arctic and Alpine Research	June 2001 – December 2002
	Modeled the fluid dynamics of sedimentary flow.	
Technologies	Massachusetts Institute of Technology	
	M.Eng. Electrical Engineering and Computer Science	June 2009
	B.S. Computer Science	February 2008
	B.S. Mathematics	February 2008
	Android, AWS, C, CoreOS, CouchDB, CSS, Debian, Docker, Hadoop, Haskell, HTML, iOS, Java, JavaScript, \LaTeX , Memcached, MongoDB, MySQL, Node.js, Objective-C, OpenGL, PCB Design, PostgreSQL, Python, Scala	
Creations	Coroutine Event Loops in Javascript	Google: javascript coroutines
	The Manhattan Grid extended to every point on Earth	http://extendny.com
	Persistent Java Collections	http://pcollections.org
	Contributed text and diagrams to the book:	
	<i>Lonely Planets: The Natural Philosophy of Alien Life</i> , published by HarperCollins.	