

EDUCATION	Rochester Institute of Technology B.S. in Computer Science, expected May 2015 Minor in Music and Technology Dean's List: Fall 2011 - Present	
SPECIAL COURSEWORK	<ul style="list-style-type: none"><li>• Compiler Construction (spring 2014)</li><li>• Programming Language Theory (fall 2013)</li><li>• Aspect Oriented Programming (fall 2013)</li><li>• Language and Technology (spring 2013)</li></ul>	
PORTFOLIO	<ul style="list-style-type: none"><li>• <b>Personal Website</b> <a href="http://leeavital.com">http://leeavital.com</a></li><li>• <b>Github</b> <a href="https://github.com/leeavital">https://github.com/leeavital</a></li></ul>	
PROJECTS	<ul style="list-style-type: none"><li>• <b>LeadSheet</b> A python application that reads a series of chords and generates a musical accompaniment in MIDI. Includes a front-end written in python/flask.</li><li>• <b>Volumetric Display</b> a 3-D display that achieves depth through the use of a spinning mirror and a single projection (part of a group of 15 people).</li><li>• <b>SNAP (Shared Namespace Application Programming)</b> A PHP microframework that drastically simplifies AJAX requests by exposing selected PHP functions through an automatically generated javascript API.</li><li>• <b>Erlang-Chat</b> A multi-client chat server written in Erlang with a client written in Java/Swing.</li><li>• <b>LazyJSON</b> A lazy JSON parser written in the D programming language.</li></ul>	
WORK EXPERIENCE	<b>MLton Undergraduate Infrastructure Support</b>	January 2015 - Present
	Rochester Institute of Technology	
	<ul style="list-style-type: none"><li>• Refactor LLVM codegenerator for the MLton Standard ML compiler</li></ul>	
	<b>Engineer Intern</b>	August 2014 - December 2014
	Twitter Inc.	
	<ul style="list-style-type: none"><li>• Designed and implemented infrastructure for a new type of ad targeting</li><li>• Implemented the ability to preview tweets and cards for several platforms in the browser</li></ul>	
	<b>Platform Intern, KPCB Engineering Fellow</b>	May 2014 - August 2014
	Drawbridge Inc.	
	<ul style="list-style-type: none"><li>• Migrated infrastructure for processing charges from MySQL-based architecture to a Kafka-based architecture</li><li>• Built out monitoring infrastructure and a visualization tool</li></ul>	
	<b>Developer Intern</b>	May 2013 - September 2013
	Massdrop Inc.	
	<ul style="list-style-type: none"><li>• Built new interfaces from the ground up to aid in user education and engagement</li><li>• Built an internal tool to manage site content and keep track of active shipments</li><li>• Assisted redesigning/refactoring site architecture</li></ul>	
	<b>Web Applications Programmer</b>	May 2012 - May 2013
	National Technical Institute for the Deaf at RIT, Rochester, NY	
	<ul style="list-style-type: none"><li>• Built a file repository applications for instructors and students to manage course content</li><li>• Maintained several legacy applications including an online sign language dictionary</li></ul>	