

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