

## Lee J. Avital

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(646) 320-9143, leeavital@gmail.com

### EDUCATION

Rochester Institute of Technology  
B.S. in Computer Science, expected May 2016  
Minor in Music and Technology  
Dean's List: Fall 2011 - Present

### SPECIAL COURSEWORK

- Compiler Construction (spring 2014)
- Programming Language Theory (fall 2013)
- Aspect Oriented Programming (fall 2013)
- Language, Technology and Society (spring 2013)
- Acoustic Theory (spring 2013)

### PORTFOLIO

- **Personal Website** <http://leeavital.com>
- **Github** <https://github.com/leeavital>

### PROJECTS

- **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

**Platform Intern** May 2014 - August 2014  
Drawbridge Inc.

- Migrated infrastructure for processing charges from MySQL-based architecture to a Kafka-based architecture
- Rewrote and tuned Oozie jobs to run faster and more frequently
- Built out monitoring infrastructure and a visualization tool

**Developer Intern** May 2013 - September 2013  
Massdrop Inc.

- Built new interfaces from the ground up to aid in user education and engagement
- Built an internal tool to manage site content
- Built an internally used, pseudo-concurrent "status tracker" that keeps track of shipments
- Assisted redesigning/refactoring site architecture

**Web Applications Programmer** May 2012 - May 2013  
National Technical Institute for the Deaf at RIT, Rochester, NY

- Maintained and developed a course management system built on the ASP Classic Platform
- Built a file repository applications for instructors and students to manage course content
- Worked with a designer to create clean and usable user interfaces
- Maintained several legacy applications including an online sign language dictionary

### EXTRA- CURRICULAR ACTIVITIES

- Member, Society of Software Engineers at RIT
- Participant, RIT Concert Band