

Lee J. Avital

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EDUCATION

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

SPECIALIZED COURSEWORK

- 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 takes a series of chords and generates an arrangement that a human can play over.
- **21CC (21st Century Cookbook)** Uses machine learning to give a user suggestions about new recipes to try. Built with AngularJS and Flask during the 2013 MHacks hackathon.
- **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.
- **EventOmniBox** A Javascript tool that interprets human input about any event and provides the programmer with a usable interface to that interpretation.
- **LazyJSON** A lazy JSON parser written in the D programming language.

WORK EXPERIENCE

Developer Intern
Massdrop Inc.

May 2013 - September 2013

- 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

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