Samuel Lucidi

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Selected Skills

Languages: Python, JavaScript, CoffeeScript, Ruby, C, Erlang, Java, HTML, CSS
Tools: Git, Mercurial, Py.test, TravisCI, Cucumber, Ansible, Vagrant, Virtualenv, Logstash, MySQL, AWS
Frameworks: Pyramid, Flask, Rails, Ember.js, Backbone.js

Experience

- **Newstex, LLC.** **Rochester, NY**
  Cloud Application Engineer and System Administrator *March 2011 – May 2013, August 2013 – Present*
  - Implemented in Python 2.6 a distributed search indexer for news, blogs, and press releases.
  - Maintained Newstex's large, AWS-based real-time Python 2.6 news delivery system.
  - Developed, documented, and tested Python WSGI applications that provide syndicated news and blogs to a fleet of mobile and web apps via RESTful APIs.
  - Lead development of an HTML5/Ember.js news reader.
  - Automated deployment and maintenence of Newstex's infrastructure.
  - Spearheaded adoption of improved engineering practices, including git flow and continuous integration.

- **Interviewstreet, Inc.** **Mountain View, CA**
  Software Engineer Intern *May 2013 – August 2013*
  - Contributed features and improvements throughout the full stack of a large Rails, CoffeeScript and Backbone.js app deployed on AWS.
  - Made significant performance improvements throughout the HackerRank platform.
  - Identified and fixed security vulnerabilities in the HackerRank platform.
  - Worked closely with the lead designer to overhaul the user experience of the HackerRank web app.
  - Designed and implemented in Ruby a content-based recommender system for programming puzzles.

Education

- **Rochester Institute of Technology** **Rochester, NY**
  B.S. Software Engineering *2010 – 2014*
  - System administrator and mentor at the FOSS@RIT applied research lab.
  - Former executive board member of Computer Science House.

- **Montgomery County Community College** **Blue Bell, PA**
  A.A. Liberal Studies *2007 – 2009*

Selected Projects and Open Source Contributions *See also github.com/mansam*

- **Validator.py**
  A Python library ensuring that data conforms to certain sets of rules, called validations. A validation is essentially a schema for a dictionary, containing a list of rules for each key/value pair in the dictionary you want to validate. MIT licensed.
  - Featured in issue #124 of Python Weekly

- **Wilderness**
  A ncurses-based roguelike engine written in Python with procedural terrain generation and A* pathfinding. GPL3 licensed.

- **Liveconnect**
  A handy Python 2.7.x library for interacting with Microsoft's Liveconnect API, and for getting stuff done with Sky-Drive. MIT licensed.

- **ansible-ec2-inventory**
  A top-to-bottom rewrite of Ansible's bundled EC2 inventory script intended to make it easier to maintain and extend.