Avi Romanoff

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Personal website: aviromanoff.me

Technical Skills:

- Proficient in Python, Java, Vala, Node.js, BASH, CSS, HTML, JavaScript, and CoffeeScript
- Strong familiarity with modern GNU/Linux desktop and server environments
- Experience working with distributed version control systems (bazaar and git)
- Experience with relational and document-based databases, including MongoDB and SQLite

Software Development Experience:

Please visit my personal website (above) for additional projects and details.

Keeba Homework Website: (http://keeba.jbha.org/) Fall 2011 - Present
Design, development, and support for real-time cloud-based homework and task management productivity software.

HWorks Initiative: (http://hworks.org) Winter 2013 - Present
Launched initative to increase collaboration among students developing education-related software.

Veritas Social Network: (http://veritas-me.com/) Summer 2012 - Fall 2012
Design and development of real-time online social networking website for Harvard Summer School students.

Switchboard Settings Center: (https://launchpad.net/switchboard) Winter 2011 - Summer 2012
Design, development, and documentation for desktop Linux settings program; included in elementaryOS Linux Distribution.

Lingo Dictionary Program: (http://launchpad.net/lingo-dictionary) Fall 2010 - Fall 2011
Design, development, and support for desktop Linux English dictionary program; included in elementaryOS Linux Distribution.

Professional Experience

Teaching Assistant / Jr. Network Administrator (unofficial)
Suburban Jewish Community Center, Havertown PA   9/2009 - 5/2010

 Overview: While employed as a Teaching Assistant, I was tasked with setting up and helping to maintain a networked computer environment for several dozen Sunday school students.

 Technologies Used: Disk imaging, Mac OS X, Samba, CUPS

Accomplishments:
- Networked 8 eMac computers together for student use
- Set up a network printing system
- Cloned computer system and software and installed on all machines

<u>**Web Software Developer**</u>
LunchBiz.com, Jenkintown PA   6/2011 - 12/2012

Overview: I was hired to develop the website and web-server for LunchBiz, a start-up company that makes it easy and efficient for companies to feed their employees.

Technologies Used: Python, Django, JavaScript, HTML, CSS, SQL, JSON, Google Maps API

Accomplishments:
- Ported an existing PHP codebase to Python written in the Django web framework
- Audited the existing codebase for security vulnerabilities and documented them
- Added security features, expanded the site's functionality, and rewrote the entire back-
  end server.

Computer Skills History

- Completed 7-week Intensive Introduction to Computer Science Using Java course at **Harvard University** for 8 college credits, Cambridge MA, Summer 2012 Grade: B+
- Completed 8-week course in C++ at iD Tech Camp, **Villanova University,** Villanova PA, Summer 2009
- **Self taught** the Python, Vala, and JavaScript programming languages via various Internet tutorials and documentation.

Educational History

Rising 12th grade honor student at Barrack Hebrew Academy, Bryn Mawr, PA

Awards & Honors

Xerox Award for Innovation and IT (2013)
First Prize for Prose in the Mordechai Anielewicz Creative Arts Competition (2013)
Essay Winner for Montgomery Country District Attorney Leadership SA Contest (2013)
2nd Prize in 9th-10th Barrack SA Contest (2012)
Varsity captain of school TEAMS (Tests of Engineering Aptitude, Mathematics, and Science) club; Won 1st Place Nationally in Division for TEAMS Competition (2013)

Elected President of Class in 9th, 10th, and 11th grade (2011-2013)
Elected President of Student Administration (2013-2014)