

Aleksandar Micovic

Curriculum Vitae

Work Experience

August 2013 – Present

Software Engineer at Gecko Solutions.

Currently working on different projects for various clients in an engineering capacity. I also handle pre-sales and estimations for potential clients.

July 2012 – February 2013

Software Developer at Good World Games Ltd.

Worked on all aspects of the stack from the front-end to the Python-based back-end. I also wrote critical gameplay components, and ported our iOS game to Android as well.

May 2010 – August 2011

Lead Software Developer at CPCS Trans Ltd.

Rewrote and then managed the internal systems used to handle business intelligence. I also worked as a system administrator maintaining, hardening, and scaling GNU/Linux servers.

September 2009 – May 2012

Teaching Assistant at the University of Toronto

I gave bite-sized presentations at the beginning of every tutorial, in addition to running them. Other responsibilities included marking tests and helping students.

September 2008 – March 2009

Jr. Systems Administrator at the University of Toronto

Worked under a senior systems administrator to maintain the labs and software in our department.

Other Experience

January 2013 – June 2013

Mentor at Ladies Learning Code

As a mentor, I was expected to facilitate learning, and share my expertise about topics of the day. I specifically mentored about Javascript, and various topics concerning the Web.

July 2009 – September 2009

Event Coordinator at CFRE Radio

I organized a concert for University of Toronto's orientation event for new students. My job included organizing people into teams, planning the event itself and negotiating prices with contractors.

September 2007 – May 2009

Radio Show Host at CFRE Radio

I was a DJ at Mississauga's local community radio station CFRE Radio. I had my own show every week, and every week I hoped there were people that tuned in.

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Technical Skills

- Languages** I am well-versed in the paradigms of object oriented, and functional programming languages. I have worked extensively with relational databases and key-value stores like Couchbase. I use C and Python on a daily basis and prefer the latter for personal projects. I am also familiar with scripting, and prefer BASH.
- Web** I am experienced with XHTML, Javascript, CSS, PHP, and AJAX. I am also proficient with MVC style web-frameworks like Django and libraries like jQuery.
- Other** Algorithm design and analysis, operating system concepts, low-level programming, security, GNU/Linux system administration and version control (Git & SVN) are all a part of my repertoire.

Education

Program Computer Science Specialist Degree at the University of Toronto.

- Highlights**
- Implemented major page faults as part of a virtual memory system in OS/161.
 - Created a complete AJAX chat suite.
 - Researched and created a method to hide information in sound. By the end, I was able to fit all of War and Peace by Leo Tolstoy in a 5 minute song without audible degradation.
 - Implemented a router and the transport layer for a simplified version of TCP.
 - Developed a base for a physics-enabled sandbox using only web technologies like WebSockets, and HTML5.
 - Created a video game based on laser chess using OpenGL, SDL and C++.

Interests and Activities

- Reading and creative writing
- Japanese
- Music (I play the guitar, drums and ocarina)
- The Free Software Movement
- Travelling