

# Aleksandar Micovic

*Curriculum Vitae*

## Work Experience

July 2012 – Present

Software Developer at Good World Games Ltd.

*Full-stack developer and jack-of-all-trades*

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.

*Development of Internal Systems*

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

*Intro Programming (CSC108) & Computer Science (CSC148)*

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

*Math and Computational Sciences Department Labs*

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

## Volunteer Work

July 2009 – September 2009

Event Coordinator at CFRE Radio

*University of Toronto Orientation Concert*

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

*The Tavern*

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 MongoDB. 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	<ul style="list-style-type: none"><li>– Implemented major page faults as part of a virtual memory system in OS/161.</li><li>– Created a complete AJAX chat suite.</li><li>– 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.</li><li>– Implemented a router and the transport layer for a simplified version of TCP.</li><li>– Developed a base for a physics-enabled sandbox using only web technologies like WebSockets, and HTML5.</li><li>– Created a video game based on laser chess using OpenGL, SDL and C++.</li></ul>

## Interests and Activities

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