

MICHAEL ANTHONY SOARES

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SUMMARY OF QUALIFICATIONS

- **Programming Languages**
 - Industry experience: PHP, MySQL, JavaScript/jQuery, CSS, (X)HTML, JSON & XML
 - Academic experience: C, C++, C#, Java, VHDL & Motorola 68K Assembly Design
 - APIs: Facebook, Foursquare, Google Maps, Twitter, Tropo WebAPI & OpenSRS
 - Source Control: Subversion, Git & Perforce
- **Operating Systems**
 - Industry experience: Microsoft Windows & Linux (CentOS with OpenVZ kernel)
 - Personal experience: Linux (Debian/Ubuntu) & Mac OS X
- **Professional Skills**
 - First-rate troubleshooting experience & problem solving abilities gained in previous jobs
 - Effective worker under pressure or when meeting a deadline; excellent time management skills
 - Motivated team player; understands & follows instructions with ease & minimal supervision

WORK EXPERIENCE

Starting June 2012

SOFTWARE ENGINEER - WORDS WITH FRIENDS (WWF) MOBILE TEAM
Zynga Inc., San Francisco, CA, USA

Sep - Dec 2011

SOFTWARE ENGINEER INTERN - WORDS WITH FRIENDS (WWF) MOBILE TEAM
Zynga Inc., San Francisco, CA, USA

- Developed new features for Words With Friends HTML5/jQuery-based game, including a snapshot feature now used with Open Graph on Facebook
- Researched and developed new methods of automating quality assurance
- Maintainability and extensibility backend work

Sep - Dec 2010

PHP WEB DEVELOPER INTERN
QuinStreet, Inc., Foster City, CA, USA

- Developed high quality life insurance calculator on Insure.com and MSN.com using CodeIgniter MVC, CSS and jQuery
- Researched and implemented key speed initiatives for reducing site load times, improving user experience and improving search engine optimization
- Conducted A/B tests on company websites to measure performance changes and other analytics

Jan - Apr 2010

INTERNET APPLICATION DEVELOPER
Canfone.com Inc., Montreal, QC

- Scripted custom PHP library for Tucows OpenSRS API and integrated it with the Magento e-commerce platform (see SSLTree.com)
- Created free and automatic deployment system for Magento via cPanel backend (see MagentoInstaller.com) using PHP and Perl
- Developed custom plug-ins/add-ons for customers using Magento and osCommerce platforms
- Managed Linux servers running cPanel/WHM backend on CentOS with OpenVZ kernel

May - Aug 2009

TECHNICAL ANALYST - DEVELOPER

The CUMIS Group Limited, Burlington, ON

- Developed web service client with XML-based API to aid in importing financial data from deprecated to new web application
- Upgraded web and Excel-based console apps for Visual Studio and SQL Server 2005 compliancy
- Coded in ASP.NET, T-SQL, VB.NET and XHTML in order to complete all assigned projects

Jan - Apr 2008

JUNIOR TECHNOLOGIST

Sep - Dec 2008

PricewaterhouseCoopers LLP, Toronto, ON

- Built physical and virtual servers using Microsoft SCCM and VMware Server on Dell and HP blade hardware
- Led project involving migration of all server remote access controllers to independent switches
- Worked with and became more familiar with Microsoft Windows Server 2003 and related management tools, Microsoft ADS, Microsoft Virtual Server, CiscoWorks, EasyIP, WhatsUp Gold, Dell OpenManage and Veritas NetBackup
- Ensured that all operational and maintenance functions were carried out as per firm requirements

Aug 2006

STUDENT IT ASSISTANT

Jun - Aug 2007

Lower Canada College, Montreal, QC

- Repaired and (re)configured several hundred new/old laptops for students and staff
- Urged school administrators to further secure wired and wireless networks on multiple occasions
- Suggested several techniques to prevent students from misusing laptops, in and outside of classroom

July 2004 - Aug 2007

PRIVATE COMPUTER CONSULTANT

Self-Employed, Montreal, QC

- Repaired and (re)configured PCs with hardware- and software-related problems
- Trained clients on how to use computers during various workshops

EDUCATION

Sep 2007 - Present

**CANDIDATE FOR BACHELOR OF APPLIED SCIENCE,
HONOURS COMPUTER ENGINEERING CO-OP**

University of Waterloo, Waterloo, ON

Sep 2006 - May 2007

PRE-UNIVERSITY PROGRAMME CERTIFICATE OF GRADUATION (WITH HIGH HONOURS)

Lower Canada College, Montreal, QC

Sep 2003 - Jun 2006

HIGH SCHOOL CERTIFICATE OF GRADUATION (WITH HONOURS)

Lower Canada College, Montreal, QC

RELATED PROJECTS - SEE SOARESCODE.COM FOR MORE

- **naviGate** *navigate.uwaterloo.ca*
 - Implementation of Google Maps for university campuses and other small and easily-mappable areas
 - Integrates custom routing, hazard avoidance and reporting, POI input, and user tracking

- **Where is Mike Soares?** *whereis.mikesoares.com*
 - Experimented with Google Maps JavaScript and Foursquare APIs by retrieving and plotting recent check-ins on a map
 - Points of interest on the map are connected to each other and can be scrolled through in order of check-in time with check-in information included at each POI
- **PHP Retweeter** *soarescode.com/php_retweeter*
 - Developed a PHP-based library to easily call API methods Twitter has to offer
 - Notable features include the ability to search and "retweet" people's Twitter posts and delete most direct messages in just a few lines of code
- **JobMine Interview Notifier** *soarescode.com/jobmine_interview_notifier*
 - Automated the process of checking for interviews on JobMine by automating user login, scraping the applications page, and performing an MD5 and row-by-row comparison of all applications against data stored on the site and in an off-site database
 - Provides notifications to students every 30 minutes (if applicable) via e-mail and SMS
- **Real-Time Operating System** *soarescode.com/ece_354_real_time_operating_system_group_04*
 - Developed real-time operating system that runs on MCF5307-based microcontroller boards
 - Provides basic multiprogramming environment with 5 priority levels, preemption, simple memory management, message-based interprocess communication, basic timing service, system console I/O and debugging support
- **Motorola 68K Assembly**
 - Hardware/Software: Motorola's Coldfire MCF5307 microprocessor with Janus ROM, programmed using TeraTerm
 - Using the Coldfire assembler, implemented a decimal to binary converter through modular programming of subroutines
 - Implemented I/O subroutines to configure serial ports for input and parallel ports for output to implement a calculator using a standard keypad
 - Implemented a timer using interrupt service routines
- **RLC Circuit Analysis and Design**
 - Hardware/Software: Operational Amplifiers, Resistors, Capacitors, Inductors, Potentiometers, Oscilloscopes, Multimeters, LCR Meters. Circuits simulated using PSpice Circuit Simulator and Bode plots plotted using LVBode.
 - Instrumentation orientation: measured and simulated response of an RC circuit
 - Investigated limitations of various measurement techniques
 - Designed, simulated and measured first- and second-order circuit responses as well as tuned circuit responses and common emitter amplifier
- **Runtime Analysis of XML Serialization in VB.NET (E&CE Work Report)**
 - Conducted runtime analysis of using structures vs. classes to serialize data for application developed at The CUMIS Group Limited
 - Recommended design solutions that will help keep runtime to a minimum
- **VHDL State Machines**
 - Hardware/Software: Altera DE2 board using a Cyclone II FPGA chip programmed using Quartus II FPGA Design software
 - Implemented 7-segment decoder circuit, clock divider using modulus and binary counters to reduce 50 Hz clock to 1 Hz and traffic light control system with night/day modes using car detection sensors
- **Analysis of Data Centre Cabling and Recommendations (E&CE Work Report)**
 - Conducted analysis of network cabling layout/design at PricewaterhouseCoopers LLP
 - Recommended productivity-increasing solutions within data centre by reducing amount of cabling used

- **Robot Design and Construction**

- Designed and built remote-controlled robot capable of performing a single, yet important task
- Wired the robot according to schematics put together by self and others
- Understood concept of structural integrity and gained more experience working with electronics

AWARDS AND SCHOLARSHIPS

Mar 2012	PAUL & PAULA PLUMMER AWARD <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
Dec 2009	PRESIDENT'S AWARD <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
Sep 2007	PRESIDENT'S SCHOLARSHIP <i>University of Waterloo, Waterloo, ON</i>
Jun 2006	EXCELLENCE IN ENGLISH AND FRENCH <i>Lower Canada College, Montreal, QC</i>
Feb 2005	SCHOLARSHIP TO STUDY ABROAD <i>Lower Canada College, Montreal, QC</i>
Jun 2001 - 2004	COMPUTER AWARD <i>Lower Canada College, Montreal, QC</i>

ACTIVITIES & VOLUNTEER EXPERIENCE

Starting May 2012	STAFF LIAISON <i>Imprint Publications - Board of Directors, Waterloo, ON</i>
Sep 2003 - Present	FORUM MODERATOR <i>Microsoft Software Forum Network, MSFN.org</i>
May 2011 - Apr 2012	CO-CHAIR <i>2012 Graduation Committee - University of Waterloo, Waterloo, ON</i>
May 2011 - Apr 2012	2012 YEAR SPIRIT DIRECTOR <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
May 2008 - Apr 2012	CLASS AND ACADEMIC REPRESENTATIVE <i>2012 Computer Engineering - University of Waterloo, Waterloo, ON</i>
May 2011 - Aug 2011	TALENG TALENT SHOW DIRECTOR <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
May 2011 - Aug 2011	P**5 DIRECTOR <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
May 2011 - Aug 2011	GENIUS BOWL TRIVIA DIRECTOR <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
Jul 2011	CANADA DAY VOLUNTEER <i>Engineering Society - University of Waterloo, Waterloo, ON</i>
Jan 2011 - Apr 2011	POETS PUB MANAGER <i>Engineering Society - University of Waterloo, Waterloo, ON</i>

May 2009 - Apr 2011 **WEBMASTER**
Engineering Society - University of Waterloo, Waterloo, ON

May 2009 - Sep 2010 **WEBMASTER**
Engineering Federation Orientation Committee - University of Waterloo, Waterloo, ON

Oct 2009 - Apr 2010 **TRANSLATOR**
Canadian Federation of Engineering Students, Ottawa, ON

Sep 2007 - Aug 2008 **RESIDENCE COMPUTER CONSULTANT**
University of Waterloo, Waterloo, ON

Sep 2006 - May 2007 **TREASURER**
Webster Council - Lower Canada College, Montreal, QC

Oct 2005 - Feb 2007 **CAPTAIN**
Robotics Team - Lower Canada College, Montreal, QC

Oct 2006 **WEBMASTER**
U13 CAIS Soccer Tournament, Montreal, QC

Sep 2005 - Jun 2006 **STUDENT COMMUNICATIONS HEAD**
Grad Pride - Lower Canada College, Montreal, QC

Apr 2004 **PRESENTATION DESIGNER**
Evening of Small Miracles - Jewish General Hospital, Montreal, QC

NON-TECH INTERESTS

- Travel, music, movies, football, hockey, food, photography, and television comedies and dramas