

# MICHAEL ANTHONY SOARES

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## SUMMARY OF QUALIFICATIONS

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- **Programming Languages**
  - Industry: Objective-C (iOS), C++, PHP, Ruby on Rails, JS, MySQL, CSS, HTML, JSON & XML
  - Academic: C, C#, Java, VHDL & Motorola 68K Assembly Design
  - APIs: Facebook, Foursquare, Google Maps, Twitter, Tropo WebAPI & OpenSRS
  - Source control: Git, Subversion, & Perforce
- **Operating Systems**
  - Microsoft Windows, Mac OS X, & Linux
- **Professional Skills**
  - First-rate troubleshooting experience & problem solving abilities
  - 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

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Oct 2014 - Present      **LEAD SOFTWARE ENGINEER**  
*Postmates Inc., San Francisco, CA, USA*

Jun 2012 - Oct 2014      **PRINCIPAL SOFTWARE ENGINEER**  
**ENGINEERING LEAD ON WITH FRIENDS TECH (APR 2014 - OCT 2014)**  
**ENGINEERING LEAD ON WORDS WITH FRIENDS iOS (SEP 2013 - FEB 2014)**  
*Zynga Inc., San Francisco, CA, USA*

- Represented, communicated, & pushed for team's best interests & resolving engineering issues
- Overhauled Words iOS in terms of performance (by 2-3x), stability, & UI/UX
- Defined proper source control & code review responsibilities & processes for all team engineers
- Collaborated with game/network teams on backend needs/changes; costing & tasking (WF Tech)
- Multitasked development work and strategies across iOS, Windows Phone, & web
- Drafted technical specifications for major feature work
- Overhauled app crash management & recovery flows
- Analyzed & resolved major bugs; crash & performance issues

Sep - Dec 2011      **SOFTWARE ENGINEER INTERN - WORDS WITH FRIENDS**  
*Zynga Inc., San Francisco, CA, USA*

- Developed new features for Words With Friends HTML5/jQuery-based game
- Researched and developed new methods of automating quality assurance
- Complete rewrite of old backend in PHP for maintainability and extensibility

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, Canada*

- 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 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, Canada*

- 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**  
*PricewaterhouseCoopers LLP, Toronto, ON, Canada*

Sep - Dec 2008

- 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**  
*Lower Canada College, Montreal, QC, Canada*

Jun - Aug 2007

- 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, Canada*

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

## **EDUCATION**

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Jun 2012

**BACHELOR OF APPLIED SCIENCE**  
**HONOURS COMPUTER ENGINEERING - CO-OPERATIVE PROGRAM**  
*University of Waterloo, Waterloo, ON, Canada*

Sep 2006 - May 2007

**PRE-UNIVERSITY PROGRAMME CERTIFICATE OF GRADUATION (WITH HIGH HONOURS)**  
*Lower Canada College, Montreal, QC, Canada*

Sep 2003 - Jun 2006

**HIGH SCHOOL CERTIFICATE OF GRADUATION (WITH HONOURS)**  
*Lower Canada College, Montreal, QC, Canada*

- **naviGate**
  - 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?**
  - 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 process of checking for interviews through University of Waterloo's job posting system
  - 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**

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Aug 2014	<b>I AM GIANT AWARD</b> <i>Zynga, San Francisco, CA, USA</i>
Jan 2013	<b>ROCKSTAR AWARD</b> <i>Zynga, San Francisco, CA, USA</i>
2012	<b>INVISIBLE MAN AWARD</b> <i>Imprint Publications, Waterloo, ON, Canada</i>
Mar 2012	<b>PAUL &amp; PAULA PLUMMER AWARD</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
Dec 2009	<b>PRESIDENT'S AWARD</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
Sep 2007	<b>PRESIDENT'S SCHOLARSHIP</b> <i>University of Waterloo, Waterloo, ON, Canada</i>
Jun 2006	<b>EXCELLENCE IN ENGLISH AND FRENCH</b> <i>Lower Canada College, Montreal, QC, Canada</i>
Feb 2005	<b>SCHOLARSHIP TO STUDY ABROAD</b> <i>Lower Canada College, Montreal, QC, Canada</i>
Jun 2001 - 2004	<b>COMPUTER AWARD</b> <i>Lower Canada College, Montreal, QC, Canada</i>

## **ACTIVITIES & VOLUNTEER EXPERIENCE**

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Sep 2003 - Present	<b>FORUM MODERATOR</b> <i>Microsoft Software Forum Network, MSFN.org</i>
May 2012 - Apr 2013	<b>STAFF LIAISON</b> <i>Imprint Publications - Board of Directors, Waterloo, ON, Canada</i>
May 2011 - Apr 2012	<b>Co-CHAIR</b> <i>2012 Graduation Committee - University of Waterloo, Waterloo, ON, Canada</i>
May 2011 - Apr 2012	<b>2012 YEAR SPIRIT DIRECTOR</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
May 2008 - Apr 2012	<b>CLASS AND ACADEMIC REPRESENTATIVE</b> <i>2012 Computer Engineering - University of Waterloo, Waterloo, ON, Canada</i>
May 2011 - Aug 2011	<b>TALENG TALENT SHOW DIRECTOR</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>

May 2011 - Aug 2011	<b>P**5 DIRECTOR</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
May 2011 - Aug 2011	<b>GENIUS BOWL TRIVIA DIRECTOR</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
Jul 2011	<b>CANADA DAY VOLUNTEER</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
Jan 2011 - Apr 2011	<b>POETS PUB MANAGER</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
May 2009 - Apr 2011	<b>WEBMASTER</b> <i>Engineering Society - University of Waterloo, Waterloo, ON, Canada</i>
May 2009 - Sep 2010	<b>WEBMASTER</b> <i>Engineering Federation Orientation Committee - University of Waterloo, Waterloo, ON, Canada</i>
Oct 2009 - Apr 2010	<b>TRANSLATOR</b> <i>Canadian Federation of Engineering Students, Ottawa, ON, Canada</i>
Sep 2007 - Aug 2008	<b>RESIDENCE COMPUTER CONSULTANT</b> <i>University of Waterloo, Waterloo, ON, Canada</i>
Sep 2006 - May 2007	<b>TREASURER</b> <i>Webster Council - Lower Canada College, Montreal, QC, Canada</i>
Oct 2005 - Feb 2007	<b>CAPTAIN</b> <i>Robotics Team - Lower Canada College, Montreal, QC, Canada</i>
Oct 2006	<b>WEBMASTER</b> <i>U13 CAIS Soccer Tournament, Montreal, QC, Canada</i>
Sep 2005 - Jun 2006	<b>STUDENT COMMUNICATIONS HEAD</b> <i>Grad Pride - Lower Canada College, Montreal, QC, Canada</i>
Apr 2004	<b>PRESENTATION DESIGNER</b> <i>Evening of Small Miracles - Jewish General Hospital, Montreal, QC, Canada</i>

## **NON-TECH INTERESTS**

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