

# WWW.SHAMSSHAFIQ.COM

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## TECHNICAL SKILLS

What I Know	How I Know It
<b>Theory:</b> Data Structures, Algorithm Runtime Analysis, Flow Control, Concurrency, Design Patterns, UI Design, Testing & QA, Networking & Encryption Protocols	Through school and work.
<b>Languages:</b> C, C++, C#, Python, PHP, Perl, TCL, VB	Through school and work.
<b>Web:</b> Django, Javascript, jQuery, AJAX, HTML, CSS, MySQL, Apache	Worked on websites like <a href="http://www.akoha.com">http://www.akoha.com</a>
<b>Low level:</b> Assembly, VHDL	Programmed Coldfire processors and Altera FPGAs.
<b>Misc:</b> Version Control, Conducting code reviews, Interfacing with APIs: Google Maps, Twitter, Facebook, Flickr	Through work.

## PREVIOUS WORK

Where	What I Did There Besides Facebooking
<b>Kontagent, Toronto, ON</b> Kontagent builds web analytics platforms for Facebook applications.	In this small startup, I worked on anything that needed work, from very important things like database modelling to very trivial things like CSS fixes. Used lots of <b>Python</b> and <b>AJAX</b> .
<b>University of Waterloo (Graduate Power Group), Waterloo, ON</b> The Graduate Power Group was responsible for teaching graduate-level courses to students via distance education.	From scratch, I built an online course feedback system, using <b>PHP</b> and <b>MySQL</b> that allows students to provide feedback about their professors and courses. The system is currently in use: <a href="http://www.ece.uwaterloo.ca/~hydro1/">http://www.ece.uwaterloo.ca/~hydro1/</a> .
<b>Akoha, Montreal, QC</b> Akoha's mission was to build the world's first web-based social reality game where people earn rewards and points by performing acts of kindness to one another in the real world.	Worked on both frontend and backend aspects of the game, from database modelling to UI design. Used <b>Django</b> and <b>jQuery</b> . <a href="http://www.akoha.com">http://www.akoha.com</a>
<b>Sandvine, Waterloo, ON</b> Sandvine builds equipment that helps ISPs analyze and shape subscriber traffic. More importantly, their equipment can throttle your P2P traffic or even block your VoIP calls.	I worked with the Software QA team where I brainstormed <b>test plans</b> and created software <b>test cases</b> (not unit tests) to ensure products were functioning as per specifications.
<b>Ciena, Kanata, ON</b> Ciena claims to be a network specialist. They design blazingly fast networking hardware.	I worked with the Software Dev team where I created a miniature testing infrastructure that allowed developers to write tests in <b>XML</b> , which would then be <b>parsed using Perl</b> , and sent to remotely located networking equipment via <b>SNMP</b> .

## POTENTIALLY IRRELEVANT INFO

Key	Value
Favourite courses	<b>ECE 452</b> Software Design and Architecture, <b>CS 343</b> Concurrency and Parallel Programming, <b>ECE 250</b> Data Structures and Algorithms.
Least favourite course	Chemistry for Engineers, <b>ChE 102</b> (see why on transcript).
Things that keep me sane:	travelling, photography, reading, blogging, acoustic guitar, and chess.
No. of times I watched <i>The Phantom Menace</i>	62