

- OBJECTIVE** A position in the field of computers with special interests in database development & integration, information retrieval & processing, and the ability to research & innovate in the various fields of computer science.
- EDUCATION**
- Masters of Applied Computer Science* May 2009
Dalhousie University Halifax, NS
Concentration: Data Representation, Databases, Web Interfaces.
- Bachelor of Computer Science* May 2006
Dalhousie University Halifax, NS
- RECENT CERTIFICATION** *Red Hat Certified Engineer* Nov 2009
Red Hat Enterprise Linux 5 805009562043883
- COMPUTER SKILLS**
- Languages* : C/++, Python, Perl, HTML, JavaScript, Java, JSP, PHP, SQL.
Operating Systems : Linux, BSD, Windows, OS X.
Architectures : Worked on high performance clusters during my stay at Dalhousie.
- EXPERIENCE**
- Senior Consultant* April 2008 - Present
Keane Canada Halifax, NS
Engagement - Oil Industry (Non Disclosure Agreement)
- Working in a stressful enterprise production environment
 - Maintaining unittests and updating QA test plans
 - Developing ReSTful services, to acheive Service Oriented Architecture
 - Working with multiple programming languages simultaneously, while maintaining integration.
 - **Technologies:** C, Java, HTML/Javascript, Prototype, Dojo, Python, Pylons, XML, JSON, SVN, Git, MVC, ReST, SOA, Unix, CentOS.
- Software Engineer* Sept 2007 - April 2008
IT Interactive Service (GenieKnows.com) Halifax, NS
Research & Development Department
- Developed interface functionality for <http://local.genieknows.com>.
 - Developed back end modules for the various search engines being developed by GenieKnows.com
 - Investigated and presented various research topics in the fields of information retrieval.
 - **Technologies:** Perl, Python, C/++, PHP, Javascript, KaMap, CentOS, Unix, SVN.
- Web Programmer* June 2007 - Sept 2007
ArtistXite.com Halifax, NS
- Developed interface and backend functionality to display web traffic statistics.
 - Developed a system to upload videos and encode them into flash video format.
 - **Technologies:** MySQL, Perl, PHP, Javascript, FFMpeg, Unix, SVN, CVS.
- Masters Student* Aug 2007 - May 2009
Dalhousie University Halifax, NS
- Implemented the [DesignDB](#) (DDB project extension) as my Masters Thesis.
 - Designed and Implemented the [External Representation of Block Designs v3](#).
 - **Technologies:** Python, Python Ctypes, Pylons, SQLAlchemy, Mako, AJAX, JSON, XML, SQLite, PostgreSql, Mercurial Hg, (Li|U)nix.

Python/Web Developer June 2006 - Aug 2007
D-Drive Lab, Dalhousie University FCS Halifax, NS

Design Database Project

Satellite Project of DesignTheory.org, Queen Mary University London, UK

- Developed a python web application that connects to an Sqlite database containing statistical designs.
- Assisted in the design of a schema to store statistical t-designs.
- Used a state of the art pythonic web framework (Cherrypy 3.0), along with other, such as a templating language, to develop the design database browser.
- **Technologies:** Python, Cherrypy 3.0, Genshi, HTML, SQLite, XML, Shell (Unix) Scripting, Apache, SVN, Mercurial Hg.

Oracle/Java Developer May 2005 - June 2005
Kuwait Oil Company (IT Department) Ahmadi, Kuwait

- Trained on the KOC oracle database.
- Assisted in the development of in-house applications written to browse and modify different database tables and views.
- Assisted in the compiling of reports from data within the database and across multiple spreadsheets.
- **Technologies:** Oracle, Oracle Developer (IDE), Java, Microsoft Excel.

Web Developer July 2004 - Aug 2004
Beshara Group Kuwait City, Kuwait

- Designed and developed a website in JSP for the Ministry of Communications Kuwait (moc.kw). The website allowed for online application submissions for services provided by the ministry.
- Assisted in developing a Java application allowing conversion of data from one character set to another (required by a certain Xerox bill printer).
- **Technologies:** Oracle, Oracle Developer (IDE), J2EE, J2SE, Apache.

COMMUNITY SERVICE

IT Committee Lead Member Feb 2008 - Present
Ummah Masjid (Building Committee) Halifax, NS

- Managed a small team to assemble a website in Joomla to inform potential donors and members of the community about the state of the project.
- Designed and implemented a Joomla Template along with new or improved joomla plugins that were used in the Masjid Website www.ummahmasjid.ca.
- Prepared presentations, slideshows and media required by the committee.
- Setup a networked computer lab for the local school (Maritime Muslim Academy).
- **Technologies:** LaTeX, PHP, Joomla, Windows Networking.

Web Developer and IT Technician Sept 2003 - May 2004
Entrepreneurs' Society (American University in Cairo) Cairo, Egypt

- Worked with a team to build a website in PHP used by the society to inform potential and current members
- Developed entrepreneurial simulations used by the society in the 03/04 conference allowing participants to compete through simulated business ventures
- **Technologies:** PHP, MySQL, Apache, IIS, Windows Networking.

HOBBIES

Sports (Everything especially football and basketball), Driving, Diving/Snorkelling, and Electronics.