

**OBJECTIVE** Leading a team of passionate software engineers with special interests in data mining, information retrieval & processing, micro-services, and distributed scalable computing.

**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

**CURRENT CERTIFICATIONS** *Red Hat Certified Engineer* Nov 2009  
Red Hat Enterprise Linux 5 110-247-129

**PROFILES** [Careers](#), [GitHub \(Jekyll\)](#), [Coderwall](#), [StackOverflow](#), [OhLoh](#), [LinkedIn](#), [Dalhousie](#), [Twitter @pykler](#)

**COMPUTER SKILLS** *Languages* : C/++, Python, Perl, HTML, JavaScript, Java, JSP, PHP, SQL.  
*Operating Systems* : Linux (RedHat, Debian, Arch), BSD, Windows, OS X.  
*Architectures* : Worked on high performance clusters (HPC) during my stay at Dalhousie. Cloud Computing and Virtual Environments.

**EXPERIENCE** *Co-Founder and CTO* Sept 2012 - Present  
[LeadSift](#) Halifax, NS

- Real-time Sifting of Social Media Posts
- Classifying and finding intent in short texts
- Architecting integrations with third party systems
- Architecting solutions for high availability and load
- **Technologies:** Python, Django, Selenium, HTML/JS, Angular, CoffeeScript, NodeJS, Scala, NLP, MongoDB, Postgres, Neo4J, Redis, Jenkins, Git, Mercurial, Unix, Debian, Puppet, ProxMox, Salt-Stack, AWS, Elasticsearch, ...

*Chief Technical Officer (CTO)* March 2011 - Sept 2012  
GenieKnows Inc. ([GenieKnows.com](#)) Halifax, NS

- Leading development efforts to meet demanding deadlines
- Architecting new developments and developing future roadmaps for the current platform
- Working with IT consultants to create a reliable cloud computing platform to host GenieKnows' applications
- **Technologies:** Python, Java, HTML/Javascript, JQuery, Django, SVN, Unix, CentOS, Cisco ASA / ASDM, ProxMox, Cloud ...

*Senior Consultant* April 2008 - March 2011  
NTT Data (Formerly Keane Canada) Halifax, NS  
[Pason Systems](#) - Oil & Gas Industry

- 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](http://GenieKnows.com)) Halifax, NS  
Research & Development Department

- Developed interface functionality for local.genieknows.com (now [Yellowee.com](http://Yellowee.com))
- Developed back end modules for the search engines developed by [GenieKnows.com](http://GenieKnows.com)
- Investigated various research topics in the fields of information retrieval.
- **Technologies:** Perl, Python, C/++, PHP, Javascript, OSGeo, 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](http://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.

*Professional Software Developer* Since 2003

- **Technologies:** Oracle, Oracle Developer (IDE), Java, Microsoft Excel, J2EE, J2SE, Apache, PHP, MySQL, Apache, IIS, Windows Networking

## COMMUNITY SERVICE

*IT Committee Lead Member* Feb 2008 - Jan 2012  
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](http://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.

## HOBBIES

Sports (Everything especially football and basketball), Cars, Diving/Snorkelling, Electronics, and  $\LaTeX$  (eg. [this resume](#)).