




## Technical Skills

### Languages

Python, Dart , HTML5, JavaScript, CSS3, ASP.NET, SQL, Java, JPQL, C# , C++, C, IBM Assembly, Perl, \*nix Shells, PowerShell 

### API's

Django, Java SE 7 (JDBC, Swing, RMI, AWT, JCE Cryptography)

### Editor, IDE

Vim, Visual Studio (2013, 2012, 2010), Eclipse, NetBeans, Emacs

### CMS's

Drupal 8/7/6, Joomla, WordPress

### Operating Systems

Chromium, Windows (every client version), Mac OS X (every version), UNIX (Solaris, AIX), Linux (Debian, Slackware, CentOS)

### Methodologies

OOP/OOD, UML, Agile Unified Process, Scrum, XP

### Database Design

MySQL, SQL/PSM, LINQ

### Build Management

Git, GitHub, Microsoft Team Foundation Server, Perforce, Subversion, Concurrent Versions System

2015 Nov - Present

## Experience

### Teaching coding, chess, math, English, and public speaking

- Independent contract tutoring at multiple education agencies in the Greater Vancouver area including
  - *Wendu Education* in Burnaby, BC
  - R. L. Education Centre in Richmond, BC
  - Little Ants Education in Richmond, BC
  - *Chess with Chan* at the Yaletown Roundhouse Community Centre, and
  - University Neighbourhood Association at UBC.
- Enthusiastic education of children ages 4 to 15 (pre-school to grade 7) in
  - Coding (using *Blockly* visual coding by Google)
  - Public speaking (informative, persuasive, debate)
  - Math
  - English (writing, reading, composition, phonics)
  - Chess

2014 June - Present

Philippine Overseas Labour Office

Vancouver, BC

### IT Professional Services

- Employed custom PowerShell scripts to automate functionality recovery (e.g., LAN printer address) due to external router's DHCP IP address changes.
- Employed Microsoft Application Virtualization (App-V) to provide consistent and recoverable application availability between common workstations.
- Successfully honed office's technological resilience by succinctly communicating key principles of security engineering (e.g., least privilege), best practice requirements to staff.

2014

Force of Nature Alliance

Vancouver, BC

### Community Outreach Manager

- Determined organising to mobilise voters to support ecologically-responsible technologies, fuel-alternatives, and exuviating our dependence on tar-sands-based pipelines.
- Rallying team of cohorts to regularly engage the public in key political ridings by door-to-door canvassing, tabling, phone banking.
- Collaboratively assisting in NationBuilder frontend design using Sass for CSS, Liquid markup language, and responsive HTML5.

- Cultivating resource and team organising by engaging in ongoing leadership trainings by OrganizeBC.

2014 April - June

Mercy for Animals Canada

Vancouver, BC

***IT Assistant***

- Creatively transitioned designs (Adobe Photoshop CC, Illustrator CC) into responsive HTML5 websites with novel CSS3 markup to fulfil unique interface requirements.
- Quickly modernized, overhauled obsolete ASP.NET, C# webpages into company's custom content management system using LAMP stack.
- Built PHP application to list nearest vegan restaurants for thousands of email clients from postal code or city name using REST API directory.
- Resourcefully created and updated webpages and templates by formatting, editing images and other materials for websites and emails.

**Experience  
(continued)**

2014 January - March

SKIO Music Inc.

Vancouver, BC

***Junior Software Engineer***

- Precisely ported current CMS website (WordPress) to a static HTML5, CSS3 responsive design (<http://www.skiomusic.com>) with added responsive customization.
- Independently created custom Tumblr theme from basic template with consistent brand scheme, custom Twitter feed box, responsive design (<http://skio-music.tumblr.com>).
- Collaborated with lead developer to write modules, functionality for Amazon AWS hosted (AWS S3 with Elastic BeanStalk Python application deployment) Django backend with dynamically generated JavaScript frontend.
- Swiftly corrected previously-incorrect DNS records by directly modifying several incorrect name records that allowed the team to coordinate their current site with their domain.

2011-2012

Jila.net Media Inc.

Vancouver, BC

***Drupal Development Engineer***

- Designed, tested, and assembled custom-themed Drupal web platform for social networking. (<http://www.godornogod.com>; <http://atheistrepublic.com>)
- Diligently migrated entire company's LAMP stack to Amazon AWS with Elastic Load Balancing on Auto-Scaling AMI's using intuitive AWS Command Line Interface
- Developed, debugged custom modules with innovative forum technology to pioneer avenues of discussion between communities of diverse beliefs.
- Executed front-end security analysis along fourteen axes of vulnerability.
- Effectively executed requirements elicitation in communication with users and director.
- Intelligently prioritized start-up company requirements to realise brand vision.

2011-2012

EOS Lightmedia Inc.

Vancouver, BC

***Firmware Engineer for Microcontroller Lighting System***

- Worked harmoniously in team of lighting designer, lighting engineer, and electrical engineers to develop new LED lighting fixture product for company.
- Planned and designed LED layout on building-model for research centre in North Carolina.
- Successfully designed, implemented, and tested lightweight, efficient lighting-datagram router on open-source Arduino microcontrollers in Java IDE and C-based open-source code.
- Created user-friendly web-interface on Arduino microcontrollers with dynamic IP-address reassignment and debugging web page.

- Independently researched mechanisms for controlling seven-hundred smart-LED's with ten separate microcontrollers and interfacing with public.

2010–2011

Farzin Yadegari Architect Inc.

North Vancouver, BC

***Web Developer and IT Specialist***

- Generated highly effective networking solutions with limited resources to establish server-client relationships with multiple peripherals in office.
- Designed, coded, and published professional company website implementing jQuery interfaces on a customized WordPress platform.
- Coordinated design-schedules between head architect and senior architects.
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**Education**

**Volunteer**

2005–2010

*University of British Columbia*

Vancouver, BC

**Experience**

B.A.Sc. Computer Engineering program, Software Engineering specialization

- Dean's list recognition of excellence for two semesters.
- Fourth year in program.
- Excelled as software development leader in multiple computer engineering project groups.
- Project course in security engineering project with focus on designing usable software security and access control within distributed systems.
- Granted NSERC Undergraduate Student Research Award to apply creative firmware engineering methods in four months of supervised lab research in EECE department.

2000–2005

*Moorpark Community College*

Moorpark, CA

Physics and Electrical Engineering

- Overall GPA of 3.63, A average.
  - Placed on Dean's List for four semesters consecutively.
- USA national silver medallist of college speech and forensics team.

**Interests**

Environmental advocacy (LeadNow, Dogwood Initiative, ForestEthics).

English teacher and learning Mandarin for four months in Hunan, China.